CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Pipe line, Oklahoma and Illinois, Sinclair Oil Co., Tulsa, Okla., $15,000,000.

Dam, Henderson, N. C., Virginia-Carolina Power Co., Richmond, Va., $14,000,000.

Natural gas pipe line, Texas and Mexico, Moody-Seagraves Co., Galveston, $10,000,000.

Depot, Houston, Tex., Southern Pacific Lines, (in Texas and Louisiana Lines) $3,500,000.

Club, Chicago, Ill., Hellenic Arts Club, $3,500,000.

Church and office, Newark, N. J., Newark Dist. Church Society, $3,500,000.

Docks and terminal warehouse, Hamilton, Ont., Canada Steam Ship Lines, $2,000,000.

Customs house, Toronto, Ont., Dpt. P. Wks., Ottawa, soon takes bids, $2,000,000.

Hospital, Chicago, Ill., Henrotin Hospital, sketches, $2,000,000.

Hospital, St. Louis, Mo., Washington University School of Medicine, bids in fall, $2,000,000 or more.

Roads, Nevada, State Hy. Comn., Carson City, plans expending $1,701,088.

Hospital, Los Angeles, Calif., Kaspare Cohn Hospital, $1,500,000.

Store and apartment, New York, N. Y., Morrow Bros. Constr. Co., $1,500,000.

Y.M.C.A., Long Island City, N. Y., Y.M.C.A., $1,500,000.

Power plant, Chicago, Ill., University of Chicago, $1,500,000.

Apartment, New York, N. Y., Three Hundred Fifty Central Park West Corp., $1,250,000.

Office, Charlotte, N. C., Amer. Trust Co., $1,200,000.

Office, Boston, Mass., Osler Medical Building Trust, $1,000,000.

Refinery, Petrolia, Ont., Superior Sugar Ltd., $1,000,000.

Bank and office, Kalamazoo, Mich., Kalamazoo Trust & Savings Bank, $1,000,000.

Medical building, East Orange, N. J., Aetna Realty Co., sketches, $1,000,000.

Terminal Jersey City, N. J., Jersey City Chamber of Commerce, $1,000,000.

Plant, Burnsville, N. C., Pollard Cyanite Co., $1,000,000.

Dams, Los Angeles, Calif., $1,000,000.

Hotel, St. Louis, Mo., P. Yawitz, sketches, $1,000,000 or more.

Hospital, St. Louis, Mo., St. Lukes Hospital, sketches, $1,000,000 or more.

Bids Desired

Apartment, Boston, Mass., Esplanade Realty Trust Co., taking bids, $2,500,000.

Office and store, Chicago, Ill., Aug. 13 by Holabird & Root, archts., for owner, $2,000,000.

Exhibition hall, St. Louis, Mo., Forest Park Highlands Exhibition & Amusement Co., bids about Sept. 1, $1,500,000.

Apartment, Tarrytown, N. Y., Margon & Holder, archts., 29 West 57th St., New York, taking bids, for owner, $1,000,000.

Public Bond Elections, coming and decided, are listed on Construction News page 71.

Bids Received

Dredging, Sandusky, O., U. S. Engineer Office, from Great Lake Dredge & Dock Co., Cleveland, $1,051,300.

School, White Plains, N. Y., Bd. Educ., from A. Percy, Port Chester, est. $1,000,000.

Contracts Awarded

Hotel, office and garage, Detroit, Mich., Detroit Biltmore Hotel Co, to Walbridge Aldinger Co., and others, totalling $25,000,000.

Dock terminal, East Chicago, Ill., U. S. Gypsum Co., Chicago, to Turner Constr. Co., New York, est. $4,500,000.

Apartment, New York, N. Y., One Hundred Forty Nine E. 47th St., Corp., to G. Richard Davis & Co., $2,600,000.

Automobile plant, Leeds, Mo., General Motors Co., Detroit, to S. Patti Constr. Co., Kansas City, $2,500,000.

Rock removal, Michigan, U. S. Engineer Office, Detroit, to United Dredging Co., New York, $2,377,377.

Theatre, Greenwich Conn., Lincoln Theatrical Enterprise, Inc., Newark, N. J., to W. J. MacEvoy Constr. Co., Newark, N. J., est. $2,000,000.

Hospital, Chicago, Ill., E. H. Levin, general contract to Callner Constr. Co., $1,300,000.

Manufacturing and loft, New York, N. Y., Estate of W. De Forest Muncie c/o architects, to G. Richland Davis, est. $1,200,000.

High school, White Plains, N. Y., Bd. Educ., to W. A. Berbusse, Port Chester, $1,043,400.

Power plant, Tuscaloosa, Ala., Gulf States Service Co., to United Engineers & Constructors Co., Phila., Pa., $1,000,000.

Apartment, St. Louis, Mo., C. Anschuetz to Boaz-Kiel Constr. Co., est. $1,000,000.

Construction News of the Week

Waterworks

Proposed Work

N. Y., Albany—Bd. Water Supply bids in September, 20 mi. conduit line for new water supply. Total $12,000,000.

N. Y., Buffalo — Raising $15,000 funds watermains into Buffalo Airport. C. E. P. Babcock, Municipal Bldg., engr.

N. J., Bayonne—Bd. City Council, City Hall, laying water mains and appurtenances in Ave. E, between Linnet St. and East 14th St., $15,000. W. Clarkson, City Hall, engr.

N. C., Jamestown—Guilford Co. Sanitarium, J. L. Spruill, supt., soon takes bids 1½ mi. watermains to connect hospital with High Point watermains, also constructing sewage disposal plant. $20,000. Noted July 19.

Minn., Crookston—Interstate Power Co., L. Peterson, local mgr., filtration plant, incl. two each 40 x 100 ft. filter and sedimentation beds. B. M. Loken, city clk.

Minn., Hancock—Waterworks. $20,000. Druar & Millinowski, 509 Globe Bldg., St. Paul, engrs.

Ark., Helena—West Helena Water Co. preliminary plans 250,000 gal. concrete reservoir, extending distribution system. $50,000.

Tex., Archer City—City, c/o Secretary, soon takes bids waterworks improvements. $40,000, voted for same. Noted July 26.

Tex., Port Neches—Soon takes bids waterworks improvements, extending distributing system pumping unit, etc. $45,000. H. L. Thackwell, Jacksonville, engr. Noted July 5.

Okla., Konawa—Preliminary plans new water supply, incl. reservoir, filter plant, pumping equipment. $150,000. Benham Eng. Co., Gumbel Bldg., Oklahoma City, engrs.

Okla., Locust Grove—New waterworks, incl. tank on tower, wells, distribution system. $25,000. Milliken & Whiteneck, 312 South West Natl. Bank Bldg., Oklahoma City, engrs. Noted June 14.

Okla., Sentinel—Preliminary plans new water supply, incl. 9,000 ft. 8 in. pipe line, centrifugal pumps, pumping equipment. $60,000. C. A. Wood, Stillwater, engr.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.), according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

Okla., Tulsa—Bids in September filtration plant. Noted June 21.

Ore., Grants Pass—Waterworks. $450,000. Barr & Cunningham, Spalding Bldg., Portland, engrs.

Calif., Signal Hill—Two 10,000 bbl. water tanks. F. E. Godso, city engr.

Calif., Signal Hill—For 6 mi. 6- to 14-in. c.i. mains, valves. F. E. Godso, city engr.

Bids Desired

N. Y., Amagansett—Aug. 25, by Amagansett Water Co., Inc., H. N. Edwards, pres., 6 mi. 10 in. and up c.i. pipe, 100,000 gal. steel tank on tower; adv. E. N.-R., Aug. 9.

N. Y., Brooklyn—Aug. 14, by J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Highland Blvd., Avenues K, M, T and Z, Coney Island, Flatlands, Porter, Troy, 12th and 15th Aves., Coleman, Halsey, Stockholm, 43d, 44th, 51st Sts.

N. Y., Collins — Aug. 23, by Superintendent Standards & Purchase, Albany, driven well, pump and pump house at Thomas Indian School, Iroquois; adv. E. N.-R. Aug. 9. This corrects report in Aug. 2 issue.

Md., Baltimore—Aug. 15, by Bd. Awards, c.i. pipe and fittings to Bureau Water Supply, E. G. Rost, water engr.

O., Miles Heights (br. Cleveland)—Aug. 13, by Village, water mains in Lee Heights Blvd., Ingleside, Invermere, Strandhill, Gladstone and Normandy Rds. To exceed $25,000. W. J. Rogers, Town Hall, engr.

Minn., Rosemount—Aug. 17, by J. J. McLafferty, village clk., pump house, with deep well pump. Druar & Millinowski, 500 Globe Bldg., St. Paul, engrs. Noted Apr. 12.

Kan., Centralia — Aug. 16, by W. R. Wolff, clk., 50,000 gal., 60,000 gal. or 75,000 gal. tank on 70 ft. tower, 33,156 ft. 4- to 8-in. c.i. pipe, etc. $43,000. Noted June 21.

S. D., Madison — Aug. 17, by J. W. Emberg, city aud., brick well house, 30 in. diam. rein.-con. well 27 ft. deep, two 500 g.p.m. centrifugal pumps, 700 ft. 8 in. c.i. mains. C. A. Trimmer, city engr.

Tex., Corsicana—City, c/o Mayor, taking bids extending waterworks. $60,000. Hawley & Freese, 411 Capps Bldg., Ft. Worth, engrs.

Calif., Compton—City Council taking bids 24,796 ft. 2 and 4 in. c.i. mains 9,780 ft. 1-in. copper (open bell and spigot pipe), hydrants, valves, fittings. C. A. Parrish, city engr.

Ont., Riverside—See "Streets and Roads."

See proposal advertising on page 133

Constr. News page 69

TRADE **"LEADITE"** MARK

Registered U. S. Pat. Office

Laid 10 miles of water main—and satisfactory in every particular!

—said a waterworks engineer of national reputation, referring to this installation

Here is the story:—

THE Second Taxing District, South Norwalk, Connecticut, U.S.A., has just completed the installation of approximately ten miles of cast iron bell and spigot water mains, varying in size from 6" to 18". The work included the placing of about fifty cutting-in-tees on existing piping and their connection to new work.

Leadite was selected for jointing material after receiving competitive bids for laying with lead.

The total amount of the successful bids for all work, excepting the furnishing of the cast iron pipe, specials and valves, was as follows:

Lead Joints	$155,631
LEADITE Joints	142,535
Difference	$ 13,096
Saving in favor of **LEADITE**	8.4%

The work was performed by contractors experienced in the use of this material and was satisfactory in every particular.

Specifications required that after laying, the pipe should be tested for leakage under water pressures varying from 40 pounds to 115 pounds per square inch, and that the leakage should not exceed two gallons per 24 hours per linear foot of joint. The results of the tests were well within this limit.

This work was under the direction and supervision of Mr. Nicholas S. Hill, Jr., Consulting Engineer, 112 East 19th Street, New York, N.Y., U. S. A.

Leadite is used extensively by thousands of water works engineers, superintendents and contractors with excellent results.

Specify and use **LEADITE** It saves at least 75%

Be sure it is **LEADITE** and accept no imitations

The pioneer self-caulking material for c. i. pipe. Tested and used for over 30 years.

THE LEADITE COMPANY . . Land Title Building . . PHILADELPHIA, PA., U. S. A.

NO CAULKING

Waterworks (Continued)

Contracts Awarded

R. I., Saylesville (Ind. br. Pawtucket)—Sayles Finishing Co., 1 story, water purification plant, plain found., brick, to Central Eng. & Constr. Co., 210 Main St., Pawtucket. Est. $40,000.

N. J., Jersey City—Bd. City Comrs., City Hall, excavating, backfilling for 24 in. watermains in Charlotte Ave., to R. Mozzoni, 506 9th St., West New York. Noted Aug. 2.

Md., Baltimore—Bd. Awards, mains in Old Frederick Rd., Harlem Lane, Edmonson and Melvin Aves., to Ligon & Ligon, 3110 Ridgewood Ave., $57,217. Noted Aug. 2.

Ga., Barnesville—City, c/o E. L. Coleman, mayor, raw water pumping station, intake, 8 in. supply main, filtration plant, to A. Pew, Jr., 1020 Columbia St. N.E., Atlanta, $27,230; two 350 g.p.m. centrifugal pumps, to Murphy Equipment Co., Mchy. Hurt Bldg., Atlanta, $568. Noted June 28.

Miss., Brookville—Mayor, 7,000 ft. 6 in. c.i. pipe spirals, to Amer. Cast Iron Co., Acipico, Birmingham, Ala.; fire hydrants, valves, boxes, to Columbia Iron Wks., 2501 Chestnut St.; general work, to Bates & Reed, Wiggins. Est. $20,000.

Miss., Europa — Waterworks, filtration plant, to B. E. Walker, Jackson, $11,423. Noted Sept. 29.

Ky., Fulton—Waterworks improvements in Dist. 1, to Carey-Reed Co., Lexington, $11,699; Dist 2, to W. M. Hill & Sons, Fulton, $9,239.

O., Mogadore—Watermains to connect with Akron mains at corporate limits, to W. B. Kester Co., 358 North Firestone Bldg., Akron, $25,693. Est. $25,000.

O., Warrensville Heights (br. Cleveland) —To Abood & Lewis, 646 Huron Rd., Cleveland mains in Marvin Ave. $9,757; to Angelo Marra Co., 1479 Green Rd., Cleveland, mains in Preston Ave. $9,757, Sumpter Ave. $8,764, water connection $8,136. Grand total $26,414.

Ind., Laporte—Bd. P. Wks., water clarification plant, to Larson & Danielson, Laporte, $123,920. Noted July 19.

Mich., Detroit—Dpt. Water Supply 1.5 m.g. elevated steel tank, John R. Street and State Fair Ave., to Chicago Bridge & Iron Wks., 105th St., Chicago, Ill., $124,650.

Wis., Milwaukee—For 3,272 ft. 6- to 48-in. c.i. mains, to Wenzel & Henoch Co., 498-27th St., $42,772.

Mo., Perryville—City Clerk, general contract, Contr. 1, to Merkle Contg. Co., 413 City Bank Bldg., Kansas City $84,900; tower and tank, Contr. 2, to J. Schofield's Sons, Macon, Ga. $5,200. Noted July 5.

Tex., Brownsville—Water Impvt. Dist. 6, Cameron Co., pumping unit, 36,000 gal. capacity, 36 in. pump, 150 hp. motor at Villa Nueva, near here, to Dayton-Dowd Co., 365 York St., Quincy, Ill., $30,000.

Okla., Enid—Extending 48,200 ft. 4- to 12-in. mains to E. W. Baker & Co., Perrine Bldg., Oklahoma City, $67,482. Est. $73,000. Noted June 7.

Okla., Konawa—For 10,000 ft. 8 in. c.i. emergency water supply line from city to Wolf Spring, to E. W. Baker Co., Perrine Bldg., Oklahoma City, $16,650. Est. $17,000.

Okla., Sasakwa—New waterworks, incl. 17,700 ft. 2- to 6-in. c.i. mains, deep well pump and motor, to E. W. Baker & Co., Perrine Bldg., Oklahoma City, $28,475. Est. $30,000. Noted July 19.

Ont., Glencoe—G. George, clk. City Council, laying mains, to F. F. Fry, 43 Scott St., Toronto, $13,236; mains to National Iron Corp., Cherry St., Toronto, $18,248; elevated tank to Horton Steel Works, Bridgeburg, $10,725; hydrants and valves, to Canada Hydrant & Valve Co., Brantford, $4,099; service materials, to Canada Brass Mfg. Co., Galt, $2,522. Grand total $48,830.

Sewers

Proposed Work

N. Y., Buffalo—Commissioner P. Wks., Municipal Bldg., 10 in. vitr. tile sewer in Taunton Pl. and Grover Cleveland Park, 15 in. in Dutton Ave. C. E. P. Babcock, Municipal Bldg., city engr.

N. Y., Buffalo—For 750 ft. 10 and 12 in. vitr. sewers in Dallas Rd. C. E. P. Babcock, Municipal Bldg., engr.

N. Y., Buffalo—G. Fisk, comr. Dpt. P. Wks., Municipal Bldg., changes in Hertel Avenue Sewer Outlet. C. E. P. Babcock, Municipal Bldg., eng.

N. Y., Buffalo—G. F. Fisk, comr. P. Wks., eliminating syphon by constructing 9.5 ft. trunk sewer in Hertel Ave. at Delaware, Lackawanna & Western R. R. tracks. C. E. P. Babcock, Municipal Bldg., engr.

N. J., Bayonne—Bd. City Comrs., City Hall, preliminary plans relief sanitary sewer in Ave. F. between East 22nd and 29th Sts. $56,483. W. Clarkson, city engr.

N. J., Irvington (br. Newark)—Bd. Freeholders Essex Co. Hall Records Bldg., Newark, storm drain Springfield Ave. $25,000. W. H. Stickel, Hall of Records Bldg., Newark co. engr.

N. J., Trenton — City Comn. Drains through Oliver Ave. and over private lands. $39,000. A. C. Gregory, Trenton, engr.

O., Akron—F. E. Swineford, dir. Pub. Serv., 5,595 ft. 30- to 120-in. vitr. clay or segmental block trunk sewers in Home Ave. $360,000. A. B. Backherms, Municipal Bldg., engr.

O., Akron — F. E. Swineford, dir. Pub. Serv., soon takes bids 6,690 ft. 8 in. vitr. clay sewers in Reed Ave. et al. $29,000, 2,620 ft. 30 in. vitr. clay or segmental block sewers along Camp Brook. $42,000. A. B. Backherms, Municipal Bldg., engr.

Wis., Fennimore—Sanitary sewerage system, incl. disposal plant. $30,000. J. Davy, La Crosse, consult. engr.

Neb., South Sioux City—Postponed indefinitely, taking bids 13 mi. 8- to 24-in. sewers. W. E. Buell & Co., Grain Exch. Bldg., Sioux Falls, Ia., engr. Noted June 7.

Okla., Burbank—Preliminary plans new sanitary sewerage system. $30,000. E. W. Gantt, 1116 West Main St., Oklahoma City, engrs.

Okla., Enid—Disposal plant alterations and additions. $35,000. F. C. Magruder, Enid, engr.

Okla., Geary—Preliminary plans outfall sewer, new disposal plant. $30,000. J. E. Young, mayor, engineer not selected.

Okla., Hobart—Extending 17,000 ft. 8 in. sanitary sewers. $29,000. Benham Eng. Co., Gumbel Bldg., Kansas City, Mo., engrs.

Okla., Marlow—Rejected bids July 20, 2 mi. sewer extensions. $25,000. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., Okeene—Bids in September, sewers. $47,000. E. A. Jones Eng. Co., 302 Stephenson Bldg., Enid, engr. Noted July 5.

Okla., Perry—Preliminary plans new sewage disposal plant, Imhoff tank. $29,666. C. A. Wood, Stillwater, engr.

Okla., Texola—New sewerage system. $27,500. C. A. Wood, Stillwater, engr.

Calif., Alturas—Making estimates sewerage system, disposal plant. $100,000 or more. S. Mushen, city engr.

Calif., Gridley—Sewers in Oak, Evans and Sheldon Aves. To exceed $25,000. N. Ware, city engr.

Calif., Los Angeles—For 1,293 ft. sanitary sewers, 12.51 mi. storm drain in Arroyo de la Sacatella Sect. 3. L. W. Armstrong, City Hall, engr.

Ont., Orillia—Council, R. A. Brown, mayor, extending sewerage system. $85,000. Gore, Nasmith & Storrie, Confederation Life Bldg., Toronto, engrs.

Ont., Palmerston—Council sewerage system. G. G. Reid, 301 Metropolitan Bldg., Toronto, engr.

Bids Desired

Mass., Medford (br. Boston)—Aug. 16, by Metropolitan District Comn., Sewer Division, 2,647 ft. 60 to 75-in. concrete sewer from Prescott St. northwesterly, Sect. 109 New Mystic Valley Sewer, North Metropolitan System. J. R. Rablin, Metropolitan Dist. Comn., Boston, engr.

Mass., South Boston (sta. Boston)—Aug. 13, by Dpt. P. Wks., Boston, sewerage works in West 1st and Clafton Sts. $25,000. J. H. Sullivan, comr.

N. Y., Brooklyn—Aug. 15, by J. J. Bryne, pres. Brooklyn Boro, sewers in Farragut Rd., North 14th and East 94th Sts.

N. Y., Buffalo—Sept. 4, by G. F. Fisk, comr. Dpt. P. Wks., Municipal Bldg., sewer and water connections at New York State College for Teachers, here; adv. E. N.-R. Aug. 9.

N. Y., New York—Aug. 14, by H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves. sewers in Bussing and Nereid Aves., Pelham Parkway South.

N. J., Glen Ridge—Aug. 27, at Council Chamber of Glenridge Boro, 12,400 ft. precast or monolithic concrete sewers in Contr. 2, Joint Third River Sewer, for Borough of Glen Ridge and Towns Bloomfield and Montclair H. P. Eddy, Jr., ch. engr.; adv. E. N.-R. Aug. 9.

Pa., Phila.—Aug. 15, by Dpt. P. Wks., Bureau of Engineering, Schedule A, branch sewers; Schedule B main sewers in Robbins St., Tabor and Mansfield Aves.

D. C., Wash.—Aug. 21, by Commissioner, 9,153 lin.ft. 19 in. to 4 ft. sewer.

La., East Baton Rouge — Aug. 14, by Police Jury, 3,760 ft. 12- to 24-in. sewer, 9,875 ft. curbing, Sub-Road Dist. I. U., Edgewood Lawn. A. G. Mundinger, Baton Rouge, engr.

O., Akron—Aug. 22, by F. E. Swineford, dir. Pub. Serv., 1,642 ft. 8- to 30-in. vitr. clay or segmental block relief sewers in Adams St. and Right-of-Way, $26,700—4,485 ft. 8- to 24-in. vitr. clay 1,275 ft. 30 in. segmental block trunk and lateral sewers in Van Everett Ave. et al. $45,000. A. B. Backherms, Municipal Bldg., eng.,

O., Miles Heights (br. Cleveland)—Aug. 13, by Village, sewers in Lee Heights Blvd., Ingleside, Invermere, Standhill, Gladstone and Normandy Rds. To exceed $25,000. W. J. Rogers, Town Hall, engr.

Ill., Chicago — Aug. 14, by Bd. Local Impvts. M. J. Faherty, pres., tile sewers.

Ill., Columbia—Aug. 14, by City Clerk, 35,650 ft. 8- to 12-in. vitr. clay and 140 ft. 10 in. c.i. pipe, 10 flush tanks, 77 plain and 19 drop manholes, 36 lamp holes, settling tank, sludge bed. $70,000. W. A. Fuller Co., 1912 Railway Exch. Bldg., St. Louis, Mo., engr. Noted July 12.

Wis., Loyal—Aug. 14, by Village, W. Meyer, clk., 23,000 ft. 10 and 12 in. sewers, disposal plant, Imhoff tank, sludge bed, etc. $35,000. Druar & Milinowski, 500 Globe Bldg., St. Paul, Minn., engrs.

Mo., St. Louis—Aug. 14, by Bd. P. Serv., City Hall, vitr. clay, brick, segmantal block pipe in Hampton Ave. Joint Sewer $35,680—Desperes Dist. Sewer 4, $18,000—Wherry Ave. Dist. Sewer 2 $8,480—vitr. clay pipe in Rock Creek Sewer 14 $3,440,16, $750—17 $3,960—Highland Dist. $1,650. W. W. Horner, City Hall, engr. Noted July 19.

Calif., Gridley—City bids about Sept. 1, installing sewers in new sewer district. $25,000. N. Ware, city engr.,

Calif., Huntington Park—W. P. Mahood, city clk., taking bids 10,295 ft. 8- to 12-in. vitr. sewers, house connections in 58th St. H. S. McCurdy, city engr.

Ont., Riverside — See "Streets and Roads."

Contracts Awarded

N. J., Montclair—Bd. Town Comrs., Municipal Bldg., lateral sewer in Bellevue Ave., to P. Stolla, Glen Ridge, $32,100. Noted July 26.

Md., Baltimore—Bd. Awards, sanitary sewers and storm drains in Storm Water Contr. 118, to W. H. Thompson, Relay, $26,-910. Noted Aug. 2.

O., Akron — F. E. Swineford, dir. Pub., Serv., 6,000 ft. 8- to 39-in. segmental block trunk sewers in Orchard Rd., West Market St., Mull Ave. et al., to B. F. Perry, 788 Noble Ave., $68,689. Est. $80,700. Noted July 26.

O., Bay (br. Cleveland)—To George & Ameen Constr. Co., Erie Bldg., Cleveland, sewers in Oakmoor Dr. $19,773; Hall Rd. $11,834; watermains in Oakmoor Dr., $7,470. Noted July 26.

O., Canton—Stark Co., sanitary sewers in Sect. 3, Edgefield and North Canton Rd., to Nickles Bros., 1533 Tuscarawas St. E., $25,897. Est. $30,000.

O., Cleveland — Comrs. Cuyahoga Co., 3,800 ft. 60 in. concrete sewers in Solon Blvd. (Impvt. 1100), to Cogito Constr. Co., 12616 Corlett Ave., $44,490. Noted July 19.

O., Cleveland — Comrs. Cuyahoga Co., sewers in Wagor Rd. (Impvt. 605), to J. Kahill & Jackson, 13011 Triskett Rd., $57,438.

Mich., Detroit—Dpt. P. Wks., 12-24 in. vitr. Lateral sewer 4950, to Waterbury Constr. Co., Transportation Bldg. $40,897 concrete Lateral sewer 4993, to Ianni Constr. Co., 2237 St. Joseph Ave. $16,321; Lateral sewers 5071 and 5077, to Louwers & Summerville, 1224 Michigan Theatre Bldg., $18,560 and $25,560 respectively. Grand total $101,338.

Mich., Detroit—Dpt. P. Wks. Lateral Sewer 4950 between Lahser, Blackstone, Vassar and Hessel Aves., 12- to 24-in. vitr. clay pipe, brick manholes, to Water-

Constr. News page 70

Republic Creosoted Structural Materials for American Industries

Backed By

Republic Resources

Republic Experience

Republic Reputation

Republic Creosoted

Wood Block
Flooring
Timber
Railroad Ties
Poles
Piling

Also Producers of Reilly's Improved Creosote Oil which is Real Creosote Oil

Republic Creosoting Co.

Home Office and Plant — Indianapolis, Indiana

OTHER PLANTS

ST. LOUIS PARK, MINNESOTA
SEATTLE, WASHINGTON
MOBILE, ALABAMA
SALT LAKE CITY, UTAH
NORFOLK, VIRGINIA

Sewers (Continued)
way Constr. Co., Transportation Bldg., $40,897.

Ill., Chicago—M. J. O'Brien, clk. Sanitary Dist. of Chicago, T. J. Crowe, pres., 910 South Michigan Ave., West Side Sewage Treatment Works, Div. O, to Warner Constr. Co., 173 W. Madison St. $1,677,-667.35. Noted July 5.

Ia., Council Bluffs — Sewers, to Jack Boyene Constr. Co., 118 South Main St., $93,921; to Wickham Bridge & Pipe Co., 1905 West Bway., $15,150.

Ia., Neola — Sewers, disposal plant, pumps, pump houses, to Craig Eng. Co., 1431 41st St. Des Moines. Est. $30,000. Noted July 19.

Ark, Fayetteville—Complete sewage disposal plant, to C. E. Pierce, Fayetteville, $57,545.

Ark., Little Rock—Sanitary sewers, incl. 22,200 ft. 6- to 10-in. vitr. clay pipe in Hollenberg & Lincoln Park additions, Sewer Impvt. Dist. 113, to L. L. McEachin Co., Home Insurance Bldg., Little Rock, $35,767.

Neb., St. Paul—Sewerage system, 14,360 ft. 8- to 12-in vitr. pipe, 5 flush tanks, 1,000 ft. ¾ in. galvanized pipe, to H. J. Peterson Co., Omaha, $19,145. Noted July 5.

Tex., Ft. Worth—City, c/o C. E. Carr, mgr., improving disposal plant, to Walker Constr. Co., Builders Exch. Bldg., San Antonio, $778,747. Noted June 7.

Calif., Lynwood—For 14,041 ft. 6- to 10-vitr. sewers in Bullis St., A and I 22, to Drainage Constr. Co., Box 345, Santa Ana, $36,141.

Bridges

Proposed Work

Vermont—State Hy. Dpt., Montpelier, received no bids July 20, 2 bridges in Danby. Noted July 19.

N. J., Trenton—Pennsylvaia R.R. Co., T. J. Skillman, ch. engr., Broad St. Sta., Phila., Pa., 80 ft. girder span bridge, 45 ft. wide, 2 abutments over Assunpink Creek, on Oak St. $25,000. Private plans.

Neb., Wayne—C. W. Reynolds, clerk Wayne Co., rejected bids July 3, 70 ft. steel span, 40 ft. girder, 20 ft. steel I-beam, and 16 ft., concrete slab bridges. Noted June 28.

Missouri—Chicago, Rock Island & Pacific R.R. Co., C. A. Morse, ch. engr., La Salle St. Sta., Chicago, Ill., soon takes bids rein.-con. bridge over railroad tracks at Schuetz Rd. between Olive St. and Lackland Rd., St. Louis Co. $50,000.

Mo., Excelsior Springs—Rein.-con. viaduct between west end Bway. and Kansas City Ave. $25,000. H. G. Hopkins, city mgr.

Tex., Athens—Henderson Co., c/o C. H. Curlee, judge, Athens, 2½ mi. steel, concrete overpass, approaches over Texas and New Orleans R.R., on Hy. 31 Federal Aid Project 545-D. $58,000. Address S. J. Treadway, Athens, resident engr.

Tex., San Antonio—City, c/o C. M. Chambers, mayor, probably 1 span rein.-con., steel bridge, on Josephine St., $28,000; rein.-con. bridge, on Grayson St., $30,000, both over San Antonio River. I. Ewig, City Hall, engr.

Okla., Collinsville—Tulsa Co. preliminary plans 4 span 120 ft. rein.-con. bridge over Horse Penn Creek, near here. $30,000. H. A. Parker, Tulsa, co. engr.

Okla., Texola—State Hy. Dept., Oklahoma City, preliminary plans 6 span 116 ft. rein.-con. bridge over Deep Prairie Creek, Beckham Co. $30,000. C. R. Mandigo, hy. engr.

British Columbia—See "Railways."

Bids Desired

Mass., Boston—Aug. 28, by Dpt. P. Wks., rebuilding concrete, steel bridge over New York, New Haven & Hartford R.R., on River St. $90,000 bond. J. H. Sullivan, comr. Noted Feb. 2.

Connecticut—See "Streets and Roads."

New Jersey—Aug. 27, at office State Hy., Trenton, construction double leaf simple trunnion bascule bridge over Cape Island Creek, at Schellinger's Landing, State Hy. Route 14, Cape May Co.; adv. E. N.-R. Aug. 16.

New Jersey — Aug. 27, by State Hy. Comn. Trenton, repairing bridge at Island Heights, at Matawan Creek on Route 4 and Old Man's Creek on Route 17-S; adv. E. N.-R. Aug. 16.

Pa., Phila.—Aug. 15, by Pennsylvania R.R. Co., E. B. Temple (ch. engr. eastern region), 607 Broad Sts. Station, approach girder span, signal bridges in place over Newark Bay, Contr. 101.

W. Va., Huntington—Aug. 31, by Cabell County Court, one 29 ft. six 20 ft. steel span bridge viaduct type, one 64 ft. thru-truss span bridge J. M. Oliver, co. road engr., adv. E. N.-R Aug 9.

Kentucky—See "Streets and Roads."

Mich., Lansing—Sept. 6, by City Clerk, Logan St. Viaduct; adv. E. N.-R. Aug. 9.

Neb., Omaha — Aug. 21, by G. Berger, clerk of Douglas Co., Court House, constructing and repairing all bridges in Douglas Co. for 1 year. L. Adams, co. engr.

Missouri—Aug. 10, by State Hy. Comn., Jefferson City, rein.-con., steel bridges in Chariton, Clinton, Dallas, Daviess, Dunklin, Greene, Harrison, McDonald, Reynolds, Warren and Worth Counties. T. H. Cutler, ch. engr. Noted July 19.

Tex., Big Springs—City, Howard Co. and Texas & Pacific Ry. Co., E. F. Mitchell, ch. engr., Dallas, taking bids 250 ft. steel center span and 575 ft. concrete approach vehicular bridge over Gregg St. crossing. $125,000. Address W. V. Montin, city mgr. Noted July 19.

Calif., Auburn — Placer Co. bids about Aug. 20, 2 rein.-con. over head crossings over Southern Pacific R.R., about 2 mi. east of here. $45,000. C. H. Purcell, Sacramento, engr.

Calif., Redding—Aug. 22, by State Hy. Comn., Sacramento, repairing bridge, consisting one 320 ft., one 180 ft., one 60 ft. and one 40 ft. steel truss span, and 787 ft. timber trestle of which 90 ft. west approach needs no repairs over Sacramento River, point 1 mi. east of here. C. H. Purcell, Hy. Bldg., Sacramento, engr.

Contracts Awarded

Vermont—State Hy. Dpt., Montpelier, 3 bridges in Baintree, to Central Constr. Co., Essex St., Lawrence, Mass., $26,178—2 bridges in Baintree to L. E. McLaughlin, Inc., 217 Jefferson Ave., New London, Conn. $11,348—bridge in Braintree, to Capitol Constr. Co., Montpelier, $8,108—bridges in Pittsfield, to J. Calkins, Rochester, $26,-449—bridge in Readsboro, to J. B. Stebbins, North Adams, Mass., $7,396. Grand total $79,479. Noted July 19.

Massachusetts — Dpt. P. Wks., State House, Boston, 2 rein.-con. bridges, approaches in Princeton and Sterling, to T. J. Hynes & Son, Wales, $14,474. Noted July 19.

Mass., Chesterfield—Dpt. P. Wks., State House, Boston, 550 ft. rein.-con. bridge, approaches, to Warner Bros. & Goodwin, Sunderland, $10,163. Noted July 12.

N. Y., Buffalo — G. F. Fisk, Municipal Bldg., filling approach to two Bailey Ave. Bridges over Cazenovia Creek, to M. L. Rupp, 46 Haven St., $41,400. Noted May 17.

N. Y., Buffalo—Comrs. Erie Co., County Hall, bridge over Buffalo Creek on Transit Rd., Project 52, to B. Behringer, Genesee St., Forks, $40,800; widening bridge over Cazenovia Creek, on Union Rd. Project 53, to Stapell, Mumm & Beals, Inc., Camp Rd. and Erie R.R., Hamburg, $39,689.

New Jersey—State Hy. Comn., Trenton, bridge over Pennsylvania R.R. at Adams Station, Middlesex Co., to Collins & Maxwell, Inc., Easton, Pa., $119,586. Noted Aug. 2.

N. J., Mt. Holly—Burlington Co., concrete bridge over Wading River at Wading River, to F. W. Schwiers, Jr., 90 West St., New York, $94,746.

Pa., New Castle—Comrs. Lawrence Co., Court House, 155 ft. through steel riveted truss span bridge over Neshannock Creek, East Brook, to Purdy & Sanders, Clinton. Est. $25,000.

Pa., Pittsburgh—Comrs. Allegheny Co., Court House, Bridge 2, over Allegheny River at 6th St., paving bridge, approaches, to Booth & Flinn, Ltd., 1942 Forbes St., $41,458. Est. $53,000.

Pa., Pittsburgh—Comrs. Allegheny Co., Court House, Bridge 6, over Allegheny River at 31st St., paving bridge, approaches, to Booth & Flinn, Ltd., 1942 Forbes St., $83,-366. Est. $100,000. Noted Feb. 9.

Maryland — State Roads Comn., Baltimore, double span steel, concrete girder bridge Contr. F-116, Frederick Co., to M. J. Grove Lime Co., Lime Kiln, $12,450. Noted July 26.

South Carolina—State Hy. Dpt., Columbia, concrete bridge over Little River, Richland and Fairfield Counties, to D. M. Rickenbaker, Union, $25,406 — concrete bridge, Laurens Co., to N. C. Hughes, Columbia $17,288—concrete bridge Chester Co., to C. Y. Thomason, Greenwood, $6,653—rein.-con., bridge and culverts Saluda Co., to P. Gilmore, Spartanburg, $4,792. Grand total $54,139. Noted Aug. 2.

Alabama—State Hy Comn., at office State Hy. Dept., Montgomery, to Bosworth-Smith, Co., Montgomery, bridges on S-237, Russell Co. $13,851—S-109-B, Henry and Dale Counties, $37,665—S-214, St. Clair and Talladega Counties, $29,608—F. A. P. 200-A, Talladega and Calhoun Counties $18,212—to Lamb & McLemore, Eutaw, S-256-A, Washington Co. $21,737—S-296, Dallas Co. $26,422—S-299 Lamar Co. $34,-977—to J. R. Chambliss, Tampa, Fla., S-256, Choctaw Co. $61,204—S-256-B, Washington and Choctaw Counties $44,240—to Garrett Bros., Camp Hill, S-51-B, Madison Co. $54,383—to Cox & Bryson, Orlando, Fla., S-60 Baldwin Co., $19,767—to Royce-Kershaw, Jacksonville, Fla., S-81-BD, Tuscaloosa Co. $29,278—to Dugger Bridge Co., Roderville, Tenn., S-190-C, Morgan Co. $25,262—to Atlantic Bridge Co., Greensboro, N. C., S-186 Cullman and Marshall Counties $53,197—to M. E. Martin, Selma, S-211, Autauga Co. $32,635—to E. Pettus, Montgomery, S-243 Butler Co. $30,688—to Morgan-Hill Paving Co., Woodward Bldg., Birmingham, S-298 Pickens Co. $25,674—to L. C. Britton, Jasper, S-329 Walker Co. $21,016—to B. C. George, Montgomery, S-333 Marion Co. $12,457—to J. B. McCrary Co., Citizens Savings Bank Bldg., Atlanta, Ga., FAP-200-C, Cleburne Co. $31,195. Grand total $623,468 Noted June 28 under "Streets and Roads."

Mississippi—Harrison Co. (Gulfport) and Jackson Co. (Pascagoula), concrete, steel bridge across Biloxi Bay from Biloxi to Ocean Springs, to Fuller Constr. Co., Memphis, Tenn., $811,746. Noted June 7.

Ohio—H. J. Kirk, dir. Hys., Columbus, constructing number small bridges on Section "Various Bridges" in Monroe Co., to McDonald Constr. Co., Norwalk, $39,999—3 span concrete beam bridge with gravel approaches Sect. "D" Scioto Co., to E. E. Shafer & Son, Croton, $21,468. Noted July 19.

O., Akron — F. E. Swineford, dir. Pub. Serv., four 45 ft., one 65 ft. and one 60 ft. girder type bridge, Trinidad Paving, East Center St., to T. E. McShaffrey Constr. Co., 173 South Forge St., $133,357. Est. $160,000.

O., Akron—Comrs. Summit Co., 1 span 35 ft. rein-con., bridge with retaining walls along river bank Case Ave., to Purdy Contr. Co., Mansfield, Trinidad asphalt $25,011. Noted July 12.

Ill., Peoria—Peoria Co., one 20 ft. one 30 ft., one 80 ft. and three 50 ft. spans rein.-con. and steel bridge on Peoria-Edwards Rd., to R. A. Callanan Co., Tremont, $36,000.

Wis., Milwaukee—State Hy. Comn., Madison, 4 span, 255 ft. rein.-con., bridge over Milwaukee River, on Bender Rd., to D. Libby & Co., 345 Temple Court, Minneapolis, Minn., for Milwaukee co. and State Hy. Comrs., $62,666. Noted June 7.

Wis., Milwaukee—Dpt. P. Wks., R. E. Stoelting, comr., Oklahoma Ave. and Euclid Ave. Bridges, to A. C. Guetzkow, 3706 Sarnow Pl., $37,400. Est. $25,000 each.

Iowa—State Hy. Comn., Ames, three 70 x 20 ft. and one 50 x 20 ft. pony truss bridges, one 40 x 24 ft. I-beam bridge, 5 culverts, extensions, Cerro Gordo Co., to C. A. Holvik, Mason City, $34,840—16 x 24 ft. slab bridge, 20 culverts, extensions, Howard Co., and 32 x 24 ft. I-beam bridge, 30 culverts, extensions, Winneshiek Co., to J. B. Elliott, Independent, $12,000 and $17,380 respectively—46 x 24 ft. deck girder bridge with 5 ft. walk, Jones Co., to H. O. Graham, Security Bldg., Cedar Rapids, $4,940—50 x 20 ft. pony truss and 110 x 20 ft. high truss bridges, Mills Co., to F. O. Akin, Corning, $30,975—60 x 20 ft. pony truss bridge, Montgomery Co., to Wilson Constr. Co., Red Oak, $8,455—two 40 x 18 ft. I-beam approach spans, 6 culverts, extensions, Warren Co., to C. R. Yeggs, Boone, $6,933—32 culverts, Clayton Co., to E. C. O'Hair, Thompson, $9,522—16 culverts, Montgomery Co., to C. Jensen, Thompson, $14,100. Grand total $139,145. Noted July 19.

Kan., Olathe—Johnson Co., three 45 ft. deck girder span bridge on Project 514, to Rand & Miller, 1920 West 43rd St., Kansas City, $10,908; four 70 ft. steel truss span bridge, Federal Aid Project 264-E, to Campbell Bros., 608 Manufacturers Exch. Bldg., Kansas City, Mo., $25,136. Noted June 28.

Arkansas—State Hy. Dept., Little Rock, to S. K. Jones, Cotton Exch. Bldg., Memphis, Tenn., 492 ft. treated timber bridge, Cross Co., $14,986—to Arkansas General Constr. Co., Little Rock, 824 ft. treated timber bridge, and 1121 ft. earth embankment, Drew Co., $26,565; 1,535 ft. rein.-

Constr. News page 71

Bridges (Continued)

con. bridge, and 878 ft. earth approaches, Saline Co., $100,987; 857 ft. steel, concrete bridge, Logan Co., $34,267—to Reynolds & Sutton, Tyler, Tex., 100 ft., rein.-con. deck girder bridge, Miller Co., $20,151—to Cook & Ransom, Ottawa, Kan., 171 ft. rein.-con. bridge, and 1,832 ft. earth approaches, Montgomery Co., $21,350—to Atkinson Paving Co., Chillicothe, Mo., 250 ft. rein.-con. bridge, Hot Spring Co., $24,414, to Koss Constr. Co., 2818 5th Ave., Des Moines, Ia., 1,182 ft. rein.-con. bridge, approaches Garland Co., $222,751—to House & Treadwell, Carthage, 905 ft. treated timber bridge, 447 ft. earth embankment, Bradley Co., $22,784—to J. G. Newkirk, Mount Holly, 216 ft. treated timber bridge, Union Co., $5,500—to Altman-Rodgers Co., Oklahoma City, Oklahoma, 462 ft. concrete, timber bridge, 838 ft. earth embankment approaches, Yell Co., $39,820—532 ft. steel, rein.-con. bridge, 3,528 ft. earth approaches, Logan Co., $47,356—to Williamson & Williams, Batesville, 287 ft. wire suspension bridge, timber deck, Madison Co., $13,528—to McCartnet, Melville & Lamkins, Newport, 83 ft. steel and 81 ft. timber bridges, Poinsett Co., $20,346—to Gray & Hardeman, Minden, La., 146 minor drainage structures, Cross Co., $13,986. Grand total $628,791. Noted July 12.

Ark., Garfield—Benton Co. (Bentonville), rein.-con., steel bridge over White River at Fish Trap Ford, 7 mi. east of here, to Luten Bridge Co., A.O.U.W. Bldg., Little Rock, $24,125. Est. $25,500.

Ark., Little Rock—Missouri Pacific R.R. Co., E. & A. Hadley, ch. engr., Missouri Pacific Bldg., St. Louis, Mo., removing present timber bridge, constructing 143 ft. rein.-con. viaduct, 30 ft. roadway with two 5 ft. sidewalks, 25 ft. vertical clearance to carry street over railroad, to Ozark Eng. Co., Joplin, Mo. Est. $40,000. Noted June 14.

Tex., La Grange — Fayette Co., large drainage structures on Hy. 71, to L. E. Sanders, 400 Kendalia Ave., San Antonio, $37,508. Est. $37,800.

Colorado—State Hy. Dpt., Denver, steel, concrete bridge and viaduct between Grand Junction and Palaside, to H. A. Roush, 2447 Como Ave., St. Paul, Minn., $59,568.

Calif., Los Angeles—Concrete work in connection with steel bridge over Los Angeles River, on Glendale Blvd., to Lynch-Cannon Eng. Co., Chapman Bldg., $46,500. Noted Feb. 23.

Calif., Oakland—Alameda Co., concrete, steel girder bridge, on Niles Canyon Rd., to C. A. Bruce & Son, Pleasanton, $76,227.

Ont., Toronto—York Co., concrete bridge over Humber River at Lambton, near here, to Nelson River Constr. Co. Ltd., 124 Pears St., $242,000. Noted Feb. 17.

Dams

Proposed Work

N. C., Henderson — Virginia-Carolina Power Co., Richmond, Va., M. Smithey, atty., 2 large dams on Roanoke River, one at Buggs Island, and other some 20 or 25 mi. further down stream near here, $14,000,000.

Calif., Los Angeles — For 4 low dams, ranging from 40,000-50,000 ac.ft. water capacity in Big Tuguna Canyon, $1,000,000. E. C. Eaton, co. flood Control, engr. Noted Sept. 15, 1927.

Bids Desired

Ontario—Aug. 28, by J. W. Pugsley, secy. Dpt. Railways & Canals, Ottawa, A. E. Dubuc, engr., concrete dam at Lock 25, Trent Canal.

Railways

Proposed Work

Vermont—C. D. Parker and others, 150 Congress St., Boston, Mass., rebuilding 18 mi. line White River Ry. from Rochester to Bethel, $200,000. J. A. Cannon, Rochester, receiver, is in charge construction. Private plans.

Texas—Missouri Pacific Ry. Co., E. A. Hadley, ch. engr., St. Louis, Mo., surveys extending 50 mi. railway line from Carrizzo Springs to Eagle Pass. Private plans.

British Columbia — Canadian National Rys., H. A. Dixon, ch. engr., (Western Region), Winnipeg, Man., improving railway, incl. replacing bridges, 476 ft. concrete lined tunnel, filling and grading, etc. $450,000.

Constr. News page 72

Contracts Awarded

Wisconsin—Bd. Harbor Comrs., Milwaukee, railroad system for Jones Island Harbor Terminal, to F. Doherty, 1360 37th St., Milwaukee, $116,950.

Ark., Saratoga — Arkansas Portland Cement Co., D. M. Pinkston, 420 Rector Bldg., 4.7 mi. standard gage spur track to Horton Price Constr. Co., Texarkana.

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

N. Y., Buffalo—City plans draining, grading Schiller Park. C. E. P. Babcock, Municipal Bldg., engr.

O., Lakewood (br. Cleveland) — Breakwater, filling in for park and bathing beach, along Lake Erie. $200,000-$410,000. E. A. Fisher, City Hall, engr.

Ia., Davenport—Postponed indefinitely widening, deepening, straightening Black Hawk Creek. $40,000. L. E. Sneary, City Hall, engr. Noted May 10.

Bids Desired

Mass., Framingham—Aug. 13, by Comrs. P. Wks., A. C. Winch, chn., straightening, widening and deepening section of Beaver Dam Brook. $15,000 or more.

N. Y., Buffalo—Aug. 15, by G. F. Fish, comr. P. Wks., Municipal Bldg., grading, Municipal Pier Lands, foot of South Michigan Ave. C. E. P. Babcock, Municipal Bldg., engr.

Tex., Brownsville — Southwest Development Corp., c/o D. W. Royhensies, Goshen, N. Y., taking bids dredging, terracing Rancho Giejo Resaca and constructing main dam at Grove Park, near here. $60,000. A. E. Anderson, Brownsville, engr.

Ont., Port Colborne—Aug. 15, by S. E. O'Brien, secy. Dpt. P. Wks., Ottawa, repairing Western and Eastern Breakwaters, $100,000.

Contracts Awarded

Ill., Lawrenceville—England Pond D. D. levee work, incl. 436,512 cu.yd. excav., sluiceways, concrete forebay, to F. C. Morgan, 215 E.N.Y. 200, $39,076.

Ark., Osceola—Bd. Comrs. Sub-Dist. 4, Grassy Lake & Tyronza D.D. 9, Mississippi Co., redigging, enlarging existing ditch, constructing new ditches, to O. Kochtitzky Co., Cape Girardeau, Mo., $134,214. Noted July 19.

Streets and Roads

Proposed Work

Mass., Boston—Dpt. P. Wks., State House, laying out, reconstructing Sumner St., Brighton, and Perkins St. and Walnut Rd., Roxbury. $25,000 or more. J. H. Sullivan, comr.

Mass., Waltham (Ind. br. Boston)—Street Dpt., reconstructing Main St. from Beaver Brook to Car Barn. $45,000.

N. Y., Buffalo—G. F. Fisk, comr. Dpt. P. Wks., Municipal Bldg., grading, sidewalks, driveways, at Humboldt Park and around Museum of Science Bldg. R. J. Kinkel, Elmwood Music Hall, landscape archt.

N. J., Bogota—Bd. Boro Council, Administration Bldg., grading, concrete paving Munn Ave. $25,000. R. Schweizer, boro engr.

N. J., Cliffside Park (mail Cliffside)—Bd. Boro Council, Boro Hall, grading, bituminous macadam paving Glenn St. $25,000. Mc Clave & Mc Clave, 600 Gorge Rd., Cliffside, boro engrs.

N. J., Englewood—Bd. City Council, City Hall, grading, curbing, concrete or bituminous macadam paving Lydecker St. and Herzog Pl. $25,000. E. Smullen, city engr.

N. J., Jersey City—Bd. City Comrs., City Hall, grading, sheet asphalt on concrete paving North St. $25,000. C. A. Van Keuren, city engr.

N. J., Maplewood (br. South Orange)—Twp. Comn., Twp. Hall, grading, rein.-con. or sheet asphalt on concrete paving Overlook Terrace, $25,000. E. R. Halsey, 73 Academy St., Newark, twp. engr.

N. J., Norwood—Soon lets contract grading, paving Somerset Rd. $40,000. W. G. Clark, 30 Church St., New York, engr.

N. J., Nutley (br. Newark)—Bd. Town Comrs., Town Hall preliminary plans grading, rein.-con. or sheet asphalt paving Bloomfield Ave. from Kingsland Rd. to Daily St. $50,000. G. R. Hartley, Town Hall, engr.

N. J., Teaneck (mail West Englewood)—Twp. Com. Municipal Bldg., grading, 6 in. single line concrete paving Maple St. $25,000. P. Fraleigh, Teaneck Rd. and Cedar Lane, twp. engr.

Pa., Dormont — Allegheny Co. (Pittsburgh), grading, paving McNeilly Rd. between Dormont and Overbrook. $122,500. County Dept. P. Wks., 519 Smithfield St., Pittsburgh, engrs.

Pa., Port Vue (mail McKeesport)—Allegheny Co., Court House, Pittsburgh, improving Liberty Way. $74,000. County Dpt. P. Wks., 519 Smithfield St., Pittsburgh, engrs.

Pa., Tarentum—Allegheny Co., Court House, Pittsburgh, improving Tarentum-Culmerville Ridge Rd. $185,000. County Dpt. P. Wks., 519 Smithfield St., Pittsburgh, engrs.

Pa., Turtle Creek—Allegheny Co., Court House, Pittsburgh, improving Turtle Creek-Monroeville Rd. $175,000. Co. Dpt. P. Wks., 519 Smithfield St., Pittsburgh, engrs.

Va., Alexandria—Bd. Supervs. Arlington Co., soon takes bids widening 1 mi. Mt. Vernon Ave., 27 ft.

North Carolina—State Hy. Dept., Raleigh, grading, concrete or asphalt paving 8.412 mi. Project 6230, Catawba Co., $182,700—8.713 mi. Project 6352, Gaston Co., $217,300—5.294 mi. Project 6521, Mecklenburg Co., $135,200—6.799 mi. Project 7380, Forsyth Co., $155,800—10 mi. Project 3090, Bladen Co., $153,300—3.052 mi. Project 5030, Alamance Co., $69,600—9.342 mi. Project 2071, Craven Co., $203,600 — 8.263 mi. Project 225, Duplin Co., $271,400—13.569 mi. Project 359, New Haven Co., $217,000—6.098 mi. Project 3370, Cumberland Co., $84,600—7.961 mi. Project 1470, Bertie and Hertford Counties, $137,900—9.116 mi. Project 1061, Bertie Co., $176,700—grading, topsoiling 8.699 mi. Project 5530, Montgomery Co., $56,500—6.414 mi. Project 5830, Randolph Co., $41,700—4.786 mi. Project 4552, Orange Co., $31,000—6.146 mi. Project 451, Lee Co., $36,800—6.668 mi. Project 6000, Alexander Co., $48,000—clearing, grading 17.860 mi. Project 1900, Tyrrell Co., $138,400—1,822 mi, Project 355, New Hanover Co., $66,000. L. R. Ames, Raleigh, engr.

N. C., Greensboro—Comrs. Guilford Co. improving 2 mi. road from Battleground to Morehead Quarters. $40,000. G. L. Bain, Greensboro, engr.

Ala., Birmingham—Bd. Revenue Jefferson Co., joint paving 1 mi. Tarrant City, $20,000—8¼ mi. Rocky Ridge Rd., $200,000—1.7 mi. Jay Bird Rd., $36,000—1.1. mi. 14th Ave., Bessemer, $22,000—0.2 mi. Edwards St., Brighton, $5,000—1.2 mi. Shades Creek Parkway Rd., $26,000—0.3 mi. Montgomery Hy. to clubhouse, $7,500—1.5 mi. Crestline Rd., $33,000—1. mi. Country Club Rd., $25,000—¼ mi. hy. from Vanderbilt Rd. to East Lake $15,000—1.7 mi. Tarrant City to East Lake, $22,000—0.9 mi. Tubercular Camp, $6,000—2.2 mi. Salter Rd., $53,000.

La., New Orleans—Grading, concrete, asphalt or brick paving 5 blocks Soniat St. from Magazine St. to Dock Bd. Roadway; grading, asphaltic concrete paving 5 blocks Soniat St. from Daneel to Freret Sts. $30,000 each. A. Vallas, City Hall, engr.

La., New Orleans — Grading, concrete, small block or asphalt paving Tchoupitoulas St. from Rice to Felicity Sts. $40,000. A. Vallas, City Hall, engr.

La., New Orleans—Grading, concrete, asphalt or brick paving 7 blocks Richard St. $40,000. A. Vallas, City Hall, engr.

La., New Orleans—Grading, sidewalks, asphaltic concrete paving 14 blocks Toulouse St. from North Genois St. to City Park Ave. $90,000. A. Vallas, City Hall, engr.

La., New Orleans—Grading, sewer and water mains, gas lines, bridging, concrete and asphalt paving 14 blocks Monroe St. from Pontchartrain Blvd. to Pritchard St., $85,000; grading, rein.-con., Belgian block or concrete with small paving block surfacing 5 blocks South Peters St. from Celeste to Race Sts., $30,000. A. Vallas, City Hall, engr.

Kan., Hutchinson—Reno Co. 6 in. concrete paving 2.851 mi. Sect. B, and 4.463

Streets and Roads (Continued)

mi. Sect. C US Hy. 50S, Federal Aid Project 399. $172,000. W. A. Stacey, Hutchinson, co. engr.

Kan., Kingsman—Kingman Co. grading, bridging 8.187 mi. Federal Aid Project 341-E, 30 ft. C. C. Martin, Court House, engr.

Kan., Norton—Norton Co., grading 5.542 mi. U. S. Rd. 36, Federal Aid Project 345-B, 30 ft. J. P. Boesche, Court House, engr.

Kan., Oskaloosa—Jefferson Co., grading, bridging 0.838 mi. Federal Aid Project 276-E, RD-K-30, 30 ft. R. C. Ham, Court House, engr.

Kan., Smith Center — Preliminary plans grading, 4 multiple box span bridges 5.061 mi. U. S. Rd. 36, Federal Aid Project 364-C, 30 ft. R. D. Hutchins, Court House, engr.

Mont., Great Falls—Concrete curbing, paving 15,963 sq.yd. 2nd Ave. S. $50,000. M. L. Morris, city engr.

Mo., Joplin—Soon takes bids grading, concrete paving 3 blocks Picher Ave.—6 blocks C St.—8 blocks B St.—3 blocks Byers Ave. S. P. Ashcraft, Jr., City Hall, engr.

Mo., Sarcoxie—Paving 10 or 12 blocks. $25,000. Black & Veatch, Mutual Bldg., Kansas City, engrs.

Ark., Dardanelle — Yell Co. soon takes bids grading, bridging gravel surfacing. $70,000.

Ark., Eldorado—Preliminary plans grading, curbing, concrete paving 10 blocks.

Ark., Prescott—Preliminary plans grading curbing, concrete paving 10 blocks Paving Dist. 8.

Texas—State Hy. Dpt., Austin, grading, bridging, bituminous macadam paving 14.73 mi. Hy. 117, State Aid Project 713, Carson Co., $75,000—grading, bridging 9.685 mi. Hy. 10, Comanche Co., $50,000—one course asphalt surfacing 22.6 mi. State Hys. 8 and 62, Jasper and Newton Counties, $32,000—grading, bridging, shell base paving 5.473 mi. Hy. 57, Calhoun Co., $75,000. G. Gilchrist, Austin, state hy. engr.

Tex., Albany—Shackelford Co. bound bituminous macadam on caliche and crushed rock bituminous bound paving 17.359 mi. Hy. 1 A. $285,000 J. E. Pirie, Albany, engr.

Tex., Lefors—Gray Co. grading, bridging 17.5 mi. Hy. 75. $110,000. C. L. Hasie, Lefors, engr.

Tex., San Antonio—City widening 9 blocks Josephine St. from Bway. to Jones St. $80,000. I. Ewig, city engr.

Tex., San Augustine—City, c/o Secretary, soon takes bids paving. $40,000 voted for same.

Tex., Riogrande—Starr Co. grading, drainage structures 15.25 mi. Hy. 12-B. $125,000. H. Garza, Riogrande, co. judge.

Tex., Whitesboro—Soon takes bids paving. $25,000.

Oklahoma—State Hy. Dept., Oklahoma City, concrete slab surfacing 93,000 sq.yd. U. S. Hy. 66, Blaine Co. $250,000—62,000 sq.yd. U. S. Hy. 66, Creek Co. $145,000—42,600 sq.yd. Hy. 33, $100,000 and 47,000 sq.yd. Hy. 42, $112,000, Logan Co.—58,000 cu.yd. U. S. Hy. 62, Pawnee Co., $137,000—sheet asphalt surfacing 18,860 sq.yd. U. S. Hy. 81, Canadian Co. $42,000—grading 10 mi. Hy. 9, Creek Co. $30,000—8 mi. Hy. 7, Kiowa Co. $30,000—9 mi. Hy. 18, Lincoln Co. $30,000—5.3 mi. Hy 18, Murray Co. $160,000—6 mi. Hy. 47, Pontatoc Co. $30,000. C. R. Mandigo, hy. engr.

Oklahoma—State Hy. Dept., Oklahoma City, preliminary plans grading, 7 mi. Hy. 14, Kiowa Co. $35,000; 9 mi. Hy. 22, Love Co., $40,000. C. R. Mandigo, hy. engr.

Oklahoma—State Hy. Dept., Oklahoma City, concrete slab surfacing 25,190 sq.yd. Hy. 11, Osage Co. $52,000—21,120 sq.yd. U. S. Hy. 70, Carter Co., $45,000—41,120 sq.yd. State Hy. 29, Carter Co., $90,000—grading 11 mi. U. S. Hy. 81, Jefferson Co., $45,000. C. R. Mandigo, hy. engr.

Oklahoma—State Hy. Dept., Oklahoma City, preliminary plans concrete slab surfacing 21,120 sq.yd. Hy. 10, Choctaw Co. $48,000. C. R. Mandigo, hy. engr.

Okla., Altus—Grading, concrete paving 6,800 sq.yd. East Bway. $26,396. J. C. Chisum, Altus, engr.

Okla., Alva—Grading, concrete paving 7,750 sq.yd. 2nd St. $25,000. Peckham & Riggins, 603½ West Main St., Oklahoma City, engrs.

Okla., Bristow—Grading, concrete paving 12,470 sq.yd. West 4th St. $38,493. J. Gano, Bristow, engr.

Okla., Duncan—Grading, concrete paving 8,600 sq.yd. 14th St. $28,426. H. Sullivan, Lone Wolf, engr.

Okla., Elk City—Grading, concrete paving 7,600 sq.yd. 8th St. $28,840. Benham Eng. Co., Gumbel Bldg., Kansas City, Mo., engrs.

Okla., Enid—Grading, concrete paving 9,000 sq.yd. Apache and Choctaw Sts. $28,810; 13,000 sq.yd. East Randolph St., $38,910; 11,000 sq.yd. West Henderson St. $30,319. F. C. Magruder, Enid, engr.

Okla., Enid—Grading, concrete paving 13,400 sq.yd. East Pine St. $38,224. K. C. Magruder, Enid, engr.

Okla., Geary—Grading, concrete paving 9,175 sq.yd. West 3rd St. $28,106. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., Guthrie—Grading, concrete paving 8,700 sq.yd. alleys. $27,342. Benham Eng. Co., Gumbel Bldg., Kansas City, Mo., engrs.

Okla., Holdenville—Seminole Co. grading 8 mi. Road 15, 30 ft., $45,000. R. Grace, Holdenville, engr.

Okla., Maud—Grading, concrete paving 10,200 sq.yd. Oxford and Harrison Sts. $38,466. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., Medford—Grading, concrete paving 12,000 sq.yd. 3rd St. $37,311. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., Norman—Grading, concrete paving 9,250 sq.yd. Wade, Gilkey Sts. $27,091. F. Cobb, Norman, engr.

Okla., Norman—Grading, concrete paving 11,000 sq.yd. Tulsa and Valley Sts. $31,256. F. Cobb, Norman, engr.

Okla., Oklahoma City—Preliminary plans grading, sheet asphalt paving 7,800 sq.yd. East 10th St. $37,500—12,800 sq.yd. East 23rd St. $61,200—grading, concrete paving 8,700 sq.yd. Jordon St. $34,317. W. W. Small, City Hall, engr.

Okla., Oklahoma City—Grading, sheet asphalt paving 11,725 sq.yd. 18th St. $47,820. W. W. Small, City Hall, engr.

Okla., Oklahoma City—Widening, concrete paving 11,100 sq.yd. West 10th St., $46,937—grading, sheet asphalt paving 6,690 sq.yd. Virginia St., $28,618. W. W. Small, City Hall, engr.

Okla., Oklahoma City—Grading, concrete paving 6,800 sq.yd. North Geary Ave., $26,362—15 blocks Western St., $61,700—6,700 cu.yd. 33rd, 34th and 35th Sts., $33,972—9,175 sq.yd. Jordan St., $36,860. W. W. Small, City Hall, engr.

Okla., Tecumseh—Grading, concrete paving 9,100 sq.yd. Elm and Walnut Sts. $28,842. O. M. Drake, Shawnee, engr.

Okla., Tulsa — Grading, sheet asphalt paving 6,800 sq.yd. South Duluth St., $27,118—grading, concrete paving 10,375 sq.yd. England Addition, $31,709—widening 15 blocks Barton, Boulder and Main Sts., 20 ft., $65,000. B. M. Hart, City Hall, engr.

Okla., Tulsa—Grading, concrete paving 10,340 sq.yd. 12th St. $31,128—11,400 sq.yd. Cheyenne St., $34,886—7,100 sq.yd. Atlanta Ave. $29,411—15,750 sq.yd. Florence and College Sts. $46,763. B. M. Hart, City Hall, engr.

Okla., Waynoka—Grading, concrete paving 10,875 sq.yd. 3rd, Church and College Sts. $34,922. E. A. Jones, Enid, engr.

Okla., Woodward—Grading, concrete paving 17,860 sq.yd. Kate Ave. $55,310. Black & Veatch, Mutual Bldg., Kansas City, Mo., engrs.

Colo., Denver—Asphaltic concrete paving Park Hill Paving Dist. 4. $65,989. A. K. Vickery, City Hall, engr.

Colo., Denver—Concrete paving 12 blocks Alley Paving Dist. 178. $25,785. A. K. Vickery, City Hall, engr.

Nevada—State Hy. Comn., Carson City, plans expending $1,107,088, constructing state highways, during year.

Wash., Seattle—Bd. P. Wks. soon takes bids repaving Jackson St. Dist. between Yesler Way and 4th Ave. $700,000. W. D. Barkhuff, city engr.

Calif., Berkeley—Grading 2 in. asphalt on 7 in. concrete paving 159,700 sq.ft. Ashby Ave. A. J. Eddy, city engr.

Calif., Los Angeles—Los Angeles Co., grading, curbing, walks, concrete and asphaltic concrete paving Compton Ave., Impvt. 364. To exceed $550,000.

Calif., Los Angeles—Los Angeles Co., grading, curbing, guttering, walks, 6- to 8-in. concrete paving 121,568 sq.ft. Market St. A. & I. 18. To exceed $45,000.

Calif., Los Angeles—Los Angeles Co., grading, curbing, guttering, walks, 7- to 9-in. concrete paving 115,650 sq.ft., 8 in. concrete paving 79,988 sq.ft. Santa Monica, Impvt. 616. To exceed $80,000.

Calif., Los Gatos—Curbing, walks, paving Oak Hill and Wilcox Aves. To exceed $25,000. H. B. Fisher, Growers Bank Bldg., San Jose, engr.

Calif., Orville—Butte Co., improving 17 mi. Deer Creek to Butte Meadows Rd. H. H. Hume, Oroville, co. engr.

Calif., Redwood City—Grading, curbing, guttering, 1½ in. warrenite on 2½ in. asphalt paving 305,400 sq.ft. Central Park Tract (Katherine and James Sts.). C. L. Dimmitt, city engr.

Calif., Sacramento—Sacramento Co., 2 in. asphalt shoulders 3 mi. H. St. Road. C. Deterding, Sacramento, co. engr.

Calif., Sacramento—Sacramento Co., asphaltic macadam paving 2½ mi. road near Rio Linda. C. Deterding, Sacramento, co. engr.

Calif., San Diego—Common Council, curbing, guttering sidewalks, 6 in. asphaltic concrete paving 339,044 sq.ft. Mountain View Dr.—6 in. concrete paving 81,579 sq.ft. Andrews, Columbia and other streets—6 in. concrete paving 287,492 sq.ft. Cass St. H. W. Jorgensen, city engr.

Calif., San Rafael—Curbing, guttering, 4 in. asphalt paving 39,000 sq.ft. and 5 in. asphalt paving 46,000 sq.ft. Ross Valley Dr., Terrace Ave. To exceed $30,000. H. K. Brainerd, city mgr.

Calif., San Rafael—Grading, curbing, guttering, asphaltic concrete on waterbound macadam, paving H and 5th Sts. $90,000. H. K. Brainerd, city mgr.

Calif., Willows—Supervs. Glenn Co., accepted budget containing appropriations for $150,000, new road construction for comng year. J. S. Sale, Willows, engr.

Calif., Woodland—Yolo Co., improving street between Madison and Winters Sts. $75,000.

Bids Desired

Maine—Aug. 10, by State Hy. Dpt., State House, Augusta, bituminous macadam paving 2.63 mi. hy. in Livermore—concrete paving 1.61 mi. Thomaston—gravel surfacing 2.02 mi. Fort Kent. L. D. Barrows, ch. engr.

Massachusetts—Aug. 14, by Dpt. P. Wks., State House, Boston, bituminous macadam paving 48,903 ft. hys. in Haverhill, Mansfield, Norton, West Boylston, Russell, Huntington, Uxbridge, Needham, and Ludlow—rein.-con. paving 4,550 ft. Waltham—gravel and bituminous macadam paving 2,250 ft. Roxborough. W. F. Williams, comr.

Connecticut — Aug. 13, by J. A. MacDonald, Hartford, state hy. engr., waterbound macadam paving 12,986 lin.ft. hy. in Clinton and Westbrook—bituminous macadam paving 7,051 lin.ft. Killingly and concrete slab bridge in Canaan; adv. E. N.-R. Noted Aug. 13.

N. Y., Irondequoit—Aug. 17, by Town Bd. Town Headquarters, 1340 Ridge Rd. East, grading 2 in. asphalt wearing on 6 in. concrete paving 6,000 sq. yd. Long Acre Rd., E. A. Partridge, town clk.; adv. E. N.-R., Aug. 9.

N. Y., New York—Aug. 14, by Park Bd., W. R. Herrick, pres. Dpt. Parks, Arsenal Bldg., Central Park, repairing asphalt and concrete walks in Central Park.

N. Y., New York—Aug. 14, by H. Bruckner, pres. Bronx Boro, Crotona Park, 3d and Tremont Aves., grading, curbing, sidewalks, etc. Billingsley Terrace, Stratford, Seymour, Plymouth Aves., grading, sheet asphalt on concrete paving East 140th St.; asphalt blocks on concrete paving McClellan Sts., etc.

New Jersey—Aug. 27, at office State Hy. Comn., Trenton, grading, 9 in. rein.-con., paving 31,750 sq.yd. Sects. 4-B and 5-A, Boro Collingswood, Twp. Haddon and City of Camden in Camden Co.; adv. E. N.-R. Aug. 16.

N. J., Newton—Aug. 14, by Bd. Chosen Freeholders, Sussex Co., grading 10,880 cu.yd. Maxim Dr. P. E. Boomer, boro engr.

N. J., Ridgefield Park—Aug. 14, by Bd. Com., Municipal Bldg., 6 in. rein.-con., paving Brewster Ave.; laying sewers in Sect. 3. $50,000. D. C. Boswell, 6 Mt. Vernon St., Ridgefield, village engr. Noted Aug. 9.

N. J., Teaneck (mail West Englewood)—Aug. 14, by Twp. Comn., Municipal Bldg., grading, 6 in. rein.-con. paving Chestnut Pl. $29,000. P. Fraleigh, Teaneck Rd. and Cedar Lane, twp. engr. Noted July 26.

Pa., Phila.—Aug. 14, by Dpt. P. Wks., Bureau of Highways, grading; asphalt paving; improving country roads; asphalt repaving; smooth dressed granite block re-

Constr. News page 73

Streets and Roads (Continued)

paving; repaving Bensalen Ave.; painting bridge; constructing bridge.

Maryland—Aug. 21, by State Roads Comn., Baltimore, macadam resurfacing 1 mi. Contr. F-114 Frederick Co.—penetration macadam paving 1 mi. Contr. M-107, Montgomery Co.—concrete paving 0.6 mi. Contr. D-48, Dorchester Co.—0.45 mi. Contr. Co-68, Cecil Co.—graveling 1.5 mi. Contr. Sm-45, St. Marys Co. J. N. Mackall, chn.

Md., Baltimore—Aug. 15, by Bd. Awards, sheet asphalt paving 5,600 sq.yd. streets Contr. 478; concrete paving 12,200 sq.yd. streets Contr. 477. N. L. Smith, highways engr.

Va., Richmond — Aug. 21, by Dpt. Hy., State Office Bldg., Capitol Sq., top soiling 7.37 mi. Route 32, S-470, Louisa Co.—grading, 2.5 mi. Route 32, S-493-D, Fluvanna Co.—soil or gravel surfacing 3.8 mi. Route 24, S-496-H, Prince George Co., $55,000.

South Carolina—Aug. 21, by State Hy. Dpt., Columbia, grading, sand clay surfacing 10 mi. Route 64 State Project 644-A and B Barnwell and Bamberg Counties—8.6 mi. Route 24, State Project 589-D and E, Bamberg and Orangeburg Counties—13.7 mi. Route 65, State Project 697-B, Colleton Co.—14.6 mi. Route 65, State Project 697-C—0.525 mi. Route 30, Federal Aid Project 179, Colleton and Dorchester Counties—3.34 mi. Route 2 and 78, State Project 687-B and Federal Aid Project 102-B, Dorchester Co.—2 rein.-con., bridges one over Millde Saluda and other over North Saluda river, 2 rein.-con., culverts State Project 667—construction overhead bridge over Southern Railway Route 20, Federal Aid Project 88—reopened. B. M. Sawyer, ch. engr.

Ala., Birmingham—Aug. 27, by City Comn., 2 in. asphalt on 6 in. concrete paving 4 blocks 17th St., $21,800, A. J. Hawkins, city engr.—4 blocks Cliff Rd., $17,750, State Hy. Engineer, Montgomery, engr.

Ala., Jasper—Aug. 27, by Bd. Revenue Walker Co., grading ½ mi. road on Odom Hill. E. W. Long, Jasper, judge.

Kentucky—Aug. 31, by State Hy. Dept., Frankfort, surfacing 5 mi. Pruden-Middlesboro Rd., S.P. 5-G-S, Bell Co.—15.4 mi. Richmond-McKee Rd., S.P. 30-E-S, Jackson Co.—2.9 mi. Falmouth-Alexandria Rd., S.P. 21½-C-S, Pendleton and Campbell Counties — furnishing, delivering crushed stone dumped on 9.2 mi. Marion-Smithland Rd., S. P. 80-S. Crittenden Co. — grading 5.3 mi. Harlan-Whitesburg Rd., S.P. 6-H-G, Harlan Co.—10.2 mi. same road, S.P. 6-J-G, Letcher Co.—18.7 mi. Vanceburg-Greenup Rd., S.P. 106-A-G, Lewis Co.—3.7 mi. Vine Grove-Hog Hollow Rd., S.P. 8-E-G, Meade Co.—6.7 mi. Tompkinsville-Burkesville Rd., S.P. 40½-A-G, Monroe Co.—11.485 mi. Central City-Russellville Rd., S.P. 15-B-G, Muhlenberg Co.—9.8 mi. Mt. Olivet-Blue Lick Rd., S.P. 48-A-G, and 4.9 Mt. Olivet-Sardis Rd., S.P. 172-A-G, Robertson Co.—two 100 ft. steel span bridges with rein.-con. piers, abutments, over Quicksand Creek, on Jackson-Hazard Rd., S.P. 4-F-G, Breathitt Co. W. S. Watkins, hy. engr.

O., Akron—Aug. 15, by Comrs. Summit Co., grading, traffic bound slag or limestone paving 2.1 mi. Botzum-Ghent Rd., $35,400. H. G. Sours, Court House, engr.

O., Akron—Aug. 20, by F. E. Swineford, dir. Pub. Serv., grading, granite, stone curbing, sidewalks, vitr. brick on 6 in. concrete paving 3,420 sq.yd. Bell St. et al. $33,000. E. A. Kemmler, Municipal Bldg., engr.

O., Akron—Aug. 20, by F. E. Swineford, dir. Pub. Serv., grading, granite and stone curbing, vitr. brick paving 14,850 sq.yd. Westover Dr. et al. $109,000. E. A. Kemmler, Municipal Bldg., engr.

O., Akron—Aug. 20, by F. E. Swineford, dir. Pub. Serv., grading, granite and stone curbing, sidewalks, vitr. brick on 6 in. concrete paving 4,255 sq.yd. Greenwood Ave., $32,900—vitr. brick on 6 in. concrete paving 4,450 sq.yd. Nome Ave., $32,400. E. A. Kemmler, Municipal Bldg., engr.

O., Akron—Aug. 20, by F. E. Swineford, dir. Pub. Serv., grading, curbing, walks, vitr. brick paving 1,665 sq.yd. Mineola Ave., $21,700; grading, concrete guttering, cindering Arnold Ave., $3,800. E. A. Kemmler, Municipal Bldg., engr.

O., Parma (br. Cleveland)—Aug. 15, by Village, paving 6 streets. To exceed $50,000. V. M. Clark, Town Hall, engr.

O., Youngstown—Bd. Control bids about Aug. 30, widening, paving South Watt St. $380,000. G. Turner, city engr.

Michigan—Aug. 15, by A. R. Schaefer, resident engr., Newberry, 16 ft. graveling 6.591 mi. MO17-20 C-1, Chippewa Co., for State Hy. Comn., Lansing. Noted May 24.

Michigan—Aug. 16, by R. A. Beers, resident engr., Kalamazoo, sheet asphalt paving and widening 7.498 mi. MO39-14, C-1, 18 ft., Kalamazoo Co., for State Hy. Dpt., Lansing.

Michigan—Aug. 16, by C. W. Brown, resident engr., 14380 Wyoming Ave., Detroit, 20 ft. concrete paving 6.638 mi. Assessment Dist. 481, Sect. B, Macomb Co., for State Hy. Comn., Lansing.

Michigan—Aug. 21, by H. G. Oakes, resident engr., Cadillac, 20 ft. concrete paving 7.991 mi. MO24-20C-1, Emmet Co., for State Hy. Comn., Lansing.

Michigan—Aug. 22, by G. D. Tramp, resident engr., Crystal Falls, 20 ft. concrete paving 8.34 mi. FO27-5C-3 and FA-163A2, Gogebic Co., for State Hy. Comn., Lansing.

Michigan—Aug. 24, by C. R. Cowgill, resident engr., Plymouth, 20 ft. concrete paving 11.241 mi. MO63-23C-1, Oakland Co., for State Hy. Comn., Lansing.

Michigan—Aug. 29, by A. R. Schaefer, resident engr., Newberry, two course graveling 6.864 mi. MO75-15, C-1, 16 ft., Schoolcraft Co., for State Hy. Dpt., Lansing.

Michigan—Aug. 30, by R. A. Beers, resident engr., Kalamazoo, concrete paving 6.662 mi. MO8-19, C-1, 20 ft., Barry Co., for State Hy. Dpt., Lansing.

Ill., Peoria — Aug. 13, by Bd. Local impvts., grading, curbing, rein.-con. paving 10 blocks Oakland Ave. and Matthew St., 30 ft. $47,067. W. E. Backes, City Hall, engr.

Ill., Peoria — Aug. 14, by Bd. Road & Bridge Comn. Peoria Co., J. J. Jobst, chn., grading, curbing, guttering, concrete paving 25,444 sq.yd. Southport Rd., incl. earth shoulders, 4,720 ft. wire guard fence, 10,280 lb. reinforcing, $70,613—grading 171,939 cu.yd. same road, 18,780 lb. reinforcing, $78,026. W. E. Emery, Court House, co. engr.

Wisconsin—Aug. 14, by State Hy. Comn., Milwaukee, 20 ft. concrete paving 1.5 mi. Federal Aid Project 268-B, Waukesha Co.; Blue Mound Overhead on Sect. A same project, Milwaukee. J. A. Stransky, div. engr.

Wisconsin—Aug. 15, by State Hy. Comn., Div. Office 2, Madison, grading, concrete paving 2,556 sq.yd. Soldiers Memorial Hospital Rd., State Aid Project 1205, Dane Co. A. L. Hambrecht, div. engr.

Ia., Eldora — Aug. 14, at office Auditor Hardin Co., graveling 9.3 mi. county road, 0.5 mi. township road and maintenance graveling 6.5 mi. county road. J. R. Maher, Eldora, co. engr.

Ia., Spencer—Aug. 13, at office Auditor Clay Co., graveling 13.5 mi. secondary road districts.

Kan., Anthony—Aug. 24, by Harper Co., grading 8.918 mi. 44-4-Federal Aid Project 361-B.

Kan., Belleville — Aug. 20, by Republic Co., grading 9.873 mi. 81-25-Federal Aid Project 313-A and B.

Kan., Cottonwood — Aug. 17, by Chase Co., grading, bridging 7.863 mi. 50-S31-Federal Aid Project 357 E and F.

Kan., Eldorado—Aug. 27, by Clerk Butler Co., curbing, vitr. brick or concrete paving 23,275 sq.yd. Sect. A, and F grading 5.433 mi. Sect. G. Federal Aid Project 239. To exceed $50,000. E. S. Elcock, Eldorado, co. engr. Noted Aug. 2.

Kan., Ft. Scott — Aug. 30, by Clerk Bourbon Co., bituminous macadam paving 5.5 mi., 18 ft. $25,000. H. McCurley, co. engr.

Kan., Hill City — Aug. 21, by Clerk Graham Co., grading, 75,909 cu.yd. Federal Aid Project 318-B, $25,000 or more. I. Rogers, Norton, engr.

Kan., Hutchinson—Aug. 21, by Clerk Reno Co., grading, concrete paving 47,506 sq.yd. Federal Aid Project 399-C; 30,477 sq.yd. Federal Aid Project 399-B, each to exceed $25,000. W. A. Stacey, Hutchinson, engr.

Kan., Independence—Aug. 16, by Montgomery Co., grading 6.940 mi. 166-11-Federal Aid Project 285 A and C.

Kan., Manhattan—Aug. 17, by Riley Co., sand gravel surfacing 4.891 mi. 29-1-Kansas 168-A.

Kan., Marion—Aug. 14, by Marion Co., sand gravel surfacing 7.461 mi. 50S-25-Kansas 646.

Kan., Marysville—Aug. 23, by Marshall Co., grading 1.006 mi. 36-27-Federal Aid Project 319-D.

Kan., Mound City—Aug. 30, by O. M. Gray, clk., Linn Co., chat surfacing 1.528 and 9 mi. Kansas Project 555 and 556. C. E. Kenney, Court House, engr.

Kan., Phillipsburg—Aug. 13, by Phillips Co., grading 2.5 mi. 9-4-Kansas 611.

Neb., Crawford—Aug. 13, by R. B. Wellington, city clk., grading, curbing, rein.-con. paving 26,800 sq.yd. Paving Dist. 1, $70,000. Henningson Eng. Co., 326 Union Staten Bank, Omaha, engr. Noted July 12.

Missouri—Aug. 10, by State Hy. Comn., Jefferson City, roads in Adair, Atchison, Butler, Cape Girardeau, Chariton, Clinton, Cooper, Dallas, Daviess, Douglass, Dunklin, Greene, Harrison, Henry, Iron, Maries, McDonald, Platte, St. Louis, Warren, Worth and Wright Counties. T. H. Cutler, ch. engr. Noted July 19.

Mo., St. Louis—Aug. 28, by Bd. Serv., City Hall, grading, concrete paving 16,800 sq.yd. alleys in City Blocks 2934, 3062, 3555-A, 4138, 5244, 5295, 5358, 5447, 5680, 5825, 5855, 5772 and 6087. $46,340. W. W. Horner, city engr.

Mo., St. Louis—Sept. 4, by Bd. P. Serv., City Hall, grading, concrete paving 21,500 sq.yd. Alleys in City Blocks 2563, 2588, 2605, 5885, 2742, 2851, 2951, 3206, 4009, 4101, 4879, 4050S, 5225, 5338, 5388, 5458, 5536, 5767 and 5867. $58,910. W. W. Horner, City Hall, engr.

California—Aug. 22, by State Hy. Comn., Sacramento, grading, asphaltic concrete paving 1.8 mi. road between North Sacramento and Del Paso Park, Sacramento Co. C. H. Purcell, Hy. Bldg., Sacramento, engr.

California—Raymond Concrete Pile Co., Hayward, taking bids 8 in. concrete paving 5 mi. approaches to San Francisco Bay Bridge, Alameda Co. Private plans.

Calif., Auburn—A. S. Fleming, clk. Placer Co., taking bids 3 in. asphaltic macadam on 4 in. rock bound macadam paving vicinity Lake Tahoe, $90,000 or more. J. Barieau, Auburn, engr.

Calif., San Francisco—Aug. 22, by Bd. Pub. Wks., 3 in. asphaltic on 8 in. Class E. concrete paving Sect. B-Contr. 7, Bayshore Blvd., $210,000—Sect. E, Contr. 5, Alemany Blvd., $69,000 M. M. O'Shaughnessy, city engr.

Calif., San Francisco — Sept. 5, by Bd. Pub. Wks., sidewalks, 3 in. asphalt paving Alemany Blvd., Sect. D-1, Contr. 10. $54,000. M. M. O'Shaughnessy, city engr.

Calif., San Rafael — City Clerk taking bids concrete curbing, guttering, asphalt paving Rose Valley Dr. To exceed $25,000. H. K. Brainerd, city engr.

Ont., Riverside — City, take bids about Aug. 13, concrete paving 4 streets, also sewers, watermains and street lighting. $70,000. A. W. Connor, Town Hall, engr.

Ont., Toronto—Aug. 11, by W. D. Annis, clk., 1 Birchcliffe Ave., concrete curbing, guttering, Hillside brick, concrete and asphaltic paving 11,000 sq.yd. Fallingbrook Rd. and 4 Avenues. $50,000. C. E. Fraser, Kingston Rd., engr.

Contracts Awarded

Maine—State Hy. Comn., Augusta—concrete paving 2.36 mi. hy. in Hamden to B. Perini & Sons, Ashland, Mass., $89,228—2.03 mi. Falmouth to Warren Bros. Co., 38 Charles River Rd., Cambridge, Mass., $67,986—3.27 mi. Scarboro and 3.89 mi. Saco and Scarboro to A. Susi & Co., 68 Cedar St., Roslindale, Mass., $124,747 and $157,183 respectively—bituminous macadam paving 0.96 mi. Fort Fairfield to McCabe & Giovanni, Inc., 29 Central St., Boston, Mass., $30,413—1.65 mi. Presque Isle to Boone & Brewer Constr. Co., Presque Isle, $46,436—graveling 0.82 mi. Strong to J. H. Kerr, Rumford, $17,987—3.04 mi. Dixfield to W. H. Hinman, Medway, Mass., $57,670—3.45 mi. Abbot and 1.19 mi. Perry to R. M. Davis, Old Town, $48,345 and $19,120 respectively. Grand total $659,115. Noted June 28.

Me., Portland—Rein.-con. paving 5,300 sq.yd. Free St., to Monitor Constr. Co., Portland, $17,290; granite block paving Portland St., to Kennedy & Co., Inc., Portland, $40,190.

Vermont—State Hy. Comn., Montpelier, rein.-con. paving 2.5 mi. hy. in Barre, to Capital Constr. Co., Montpelier, $79,013. Est. $75,000. Noted July 26 under "Bridges."

Vermont — State Hy. Dpt., Montpelier, rein.-con. paving 4.9 mi. hy. in Moretown, Duxbury and Middlesex, to P. J. Holland, Lawrence, $248,118. Noted July 19.

Massachusetts—Dpt. P. Wks., State House, Boston, bituminous concrete paving 10,226 ft. hy. in Dennis to S. W. Lawrence, Falmouth, $34,961—hardpan paving 3,181 ft. Plainfield, to E. B. and G. R. Vaughan, 293 Bridge St., Springfield, $12,904—gravel, bituminous macadam paving 4,169 ft. Norfolk, to Phippe Bros. Co., Hopkinton, $14,475—8,650 ft. Lunenburg, to Catanese

Constr. News page 74

Streets and Roads (Continued)

Constr. Co. 45 Harrison Ave., Fitchburg, $30,216 — bituminous macadam paving 8,100 ft. Pembroke, to F. P. McNeil, 20 Starbridge St., Lowell, $38,446—4,252 ft. Billerica, to A. Pallotto, Dracut, $24,720—6,661 ft. Barre, to H. and J. P. Green, 220 Holden St., Worcester, $54,810. Grand total $210,532. Noted July 19.

Conn., Stamford—Paving Spruce, Wright and 5th Sts., Shippan Ave., and St. John Pl., to Chiapetta & Perna Bros., Greenwich, $45,345. Est. $45,000.

N. Y., Buffalo—Comrs. Erie Co., County Hall, paving 2.01 mi. Taylor Rd. C.A.T.H. 177, to Holmes & Murphy, Bank St., Orchard Park, $37,635; and 0.5 mi. Delaware Ave., C.A.T.H. 178, to Hastings Pavement Co., 25 Broad St., New York $47,747. Noted July 12.

N. Y., Long Island City—B. M. Patten, pres., Queens Boro, Queens Subway Bldg., to Welsh Bros. Contg. Co., 32 Queens St., Astoria, grading Paterson Pl. $5,407; granite paving North Jane St. $38,932; constructing bulkheads on Brookville Blvd. $83,435—to Carr Block Paving Co., asphalt paving Griffith Ave. $14,057—to Borough Asphalt Co., 1301 Metropolitan Ave., Brooklyn, asphalt paving Edgemere Ave. $26,420; 85th Dr. $7,080; 112th St., $17,362; 118th St. $15,125—to C. Kurth, 37 Brotto Ave., Elmhurst, grading 112th St. $10,853—to J. J. O'Brien, Jr., William St., Jamaica, 118th St. $3,872. Grand total $222,543. Noted July 5.

N. Y., New York—H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., grading Morris Park and Harrison Aves., to Gramaglia Bros., 48 East Kingsbridge Rd., $3,736 and $1,990 respectively—West 169th St. and Astor Ave., to I. F. Cavaluzzo, 1300 Cromwell Ave., $11,396 and $13,583 respectively—asphalt block paving Bryant Ave., to Charles D. Beckwith, Inc., Seneca Ave. and Edgewater Rd., $3,564—Sheridan Ave., to M. Del Balso, 2551 Cruger Ave., $13,323. Grand total $47,592. Noted June 28.

N. Y., New York—H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., to C. D. Beckwith, Inc., Seneca Ave. and Edgewater Rd., asphalt paving Boynton Ave. $20,060; bituminous concrete paving Lacombe Ave. $13,725; East 212th St. $6,300—to Asphalt Constr. Co., 2197 Madison Ave., asphalt paving Watson Ave. $22,377; Victor St. $8,413—to Gaffney Constr. Co., Storey and Hermany Aves., Barnes Ave. $26,223; East 181st St. $3,745, Gleason Ave. $3,223. Grand total $104,066. Noted July 5.

N. Y., Syracuse—Bd. Contrs. & Supply, City Hall, to Rago Bros., Union Bldg., Lowell Ave., $31,414, Schuler St. $7,932, Harding St. $20,264; to Dale Eng. Co., Van Rensselaer St. $3,593, to G. D. Dickson, Sunset Ave. $27,957, Dale St. $21,901, Woodruff Ave. $20,842 and Basin St. $22,760. Grand total $156,663. Noted May 31.

N. J., Bergenfield — Bd. Boro Council, Boro Hall, 2 in. Topeka on 6 in. concrete paving Williams Rd., Belau, Beverly, Berwin, Brewster and Banta Places, Byrne, North Queen, Harrington, North Vivian Sts., Woods, Elder and Ames Aves., to J. A. Holmes, 38 West Main St., $169,185. Noted Aug. 2.

N. J., Glen Ridge—Bd. Boro Council, Boro Hall, sheet asphalt paving Sunset Ave., to Franklin Contg. Co., 20 Washington Pl., Newark, $10,837—sanitary sewers in Lorraine St., to J. Cestone, 5 Cloverhill Pl., Montclair, $5,214 — storm drains in Midland Ave, to Petoca & Tuciottione, 194 Garside St., Newark, $2,737. Grand total $18,788.

N. J., Hillside (br. Elizabeth) — Twp. Com., Municipal Bldg., resetting curbs, sheet asphalt on 6 in. concrete paving Westminster Ave., to Standard Bithulithic Co., foot of Brill St., Newark, $66,389. Noted May 10.

N. J., Irvington (br. Newark) — Bd. Comrs., Town Hall, grading, 6 in. concrete paving Chapman St. and Clement Pl. to J. Dorer, 644 Nye Ave., Irvington $15,970 and $3,198 respectively; Paine Ave. to A. J. Milmoe, 92 South 6th St., Newark, $4,359, sewer in McGotty Pl. to J. Abbott, 19 Claremont Ave., $610. Grand total $24,137. Noted July 12.

N. J., Kearny (Sta. Arlington)—Western Electric Co., 195 Bway., New York, curbing, sidewalks, rein.-con. paving 15,000 sq.yd. Kearny and Peninsula Sts., to H. Steers Inc., Claremont Terminal, Jersey City. Est. $50,000.

N. J., Maplewood (br. South Orange)—Twp. Comn., Municipal Bldg., grading, rein.-con. paving Baker St. and Dunnel Rd., to South Orange Paving Co., 287 Vose Ave., South Orange, $59,928. Noted Aug. 2.

N. J., North Bergen—Twp. Comn., Town Hall, grading, paving, 38th, 39th and 40th Sts., Virginia Ave. and Midway Pl., to R. Mazzoni, 566 9th St., West New York, $244,738. Noted July 19.

N. J., North Bergen (Ind. br. Weehawken) — Twp. Com., Town Hall, grading, paving Lussen and Probst Pls. to Clinton Asphalt Co., 308 16th St., Union City. $30,992. Noted July 12.

N. J., Palisades Park—Bd. Boro Council Boro Hall, grading sewers, paving 3rd and Orchard Sts., to Bergen Contg. Co., Inc., 360 Palisade Ave., Cliffside, $24,631—sidewalks on 3d St., to J. De Carlo, 232-13th St., Palisades Park, $3,016—sidewalks on Orchard St., to J. Strands, Palisades Park, $1,330.

N. J., Teaneck (mail West Englewood)—Twp. Com., Municipal Bldg., grading, paving Bedford Ave., to R. A. Hamilton, 16 West Fort Lee Rd., Bogota, $28,638.

N. J., Trenton—Paving 3rd St., to Agabiti Bors., 125 Swan St., $62,593.

N. J., Weehawken — Bd. Hudson Co. Blvd. Comn., Court House, Jersey City, sheet asphalt on concrete base East Blvd., to Clinton Asphalt Co., 308 16th St., Union City, $48,098. Noted July 19.

Maryland—State Roads Comn., Baltimore, penetration macadam paving 2 mi. Contr. M-96, to L. R. Waesche & Sons, Thurmont, $36,592 and concrete paving 1 mi. Contr. M-98, to M. J. Grove Lime Co., Lime Kiln, $19,940, both Montgomery Co.—1.25 mi. Prince George Co. and concrete shoulders, penetration macadam resurfacing 1.51 mi. Contr. M-109, Montgomery Co., to Latimer & Maloney, 17th and Holly Sts., Wash., D. C., $20,553 and $28,217 respectively. Grand total $105,302. Noted July 26.

Va., Alexandria — Asphalt resurfacing, widening, concrete shoulders Lee Hy., to Corson & Gruman, 33rd and Kay Sts. N. W., Wash., D. C., $105,473.

W. Va., Clarksburg—Harrison Co. stone base course surfacing 4 mi. Lost Creek-West Milford Rd., to D. Rich, Weston, $31,409.

W. Va., Morgantown—Monongalia Co. screened limestone, and rolled surface on stone surfacing 2.71 mi. Stewartstown Rd., to McKee & Balazick, Jefferson, Pa., $27,325.

W. Va., New Martinsville — Wetzel Co., grading, limestone on 6 in. stone surfacing 3.57 mi. New Dale, Center Dist. Rd., to Stringer & Springer Constr. Co., Wheeling, $35,879—3.18 mi. Project 330-A, to Keeley Constr. Co., Clarksburg, $80,705—graveling Doolin Rd., to Davis & Pattison, Linesville, Pa., $27,916. Noted July 5.

South Carolina—State Hy. Dpt., Columbia—paving 5 mi. Greenville Co., to Pittman Constr. Co., Rhodes Bldg., Atlanta, Ga., $116,875—10 mi. Dillion Co., to R. G. Lassiter & Co., Citizen Bank Bldg., Columbia, $105,369 and $85,140 respectively—6.7 mi. Anderson Co., to Concrete Constr. Co., Columbia, $140,000—sand clay surfacing 1.6 mi. Lexington Co., to T. E. Hook, Lexington, $7,273—improving 2.9 mi. Berkeley Co., to Richardson Constr. Co., Charleston $19,222—top soiling 0.423 mi. Chester Co., to Stewart-Jones Co., Rock Hill, $4,277. Grand total $478,556. Noted July 12.

Alabama—State Hy. Comn., at office State Hy. Dpt., Montgomery, to W. J. Bryson, Jacksonville, Fla., 11.65 mi. road, S-296, Dallas Co. $80,957—3.6 mi. S-190-C Morgan Co. $62,749—8.46 mi. FAP-187 Morgan and Lawrence Counties $9,950—roadway and bridge on 31.44 mi. FAP-188-A and B, Perry, Hale and Marengo Counties $51,887—to Bessemer Eng. & Constr. Co., Birmingham, 3.85 mi. S-190-C Morgan Co. $46,465—17.32 mi. S-256-B, Washington and Choctaw Counties $108,928—13.1 mi. S-333, Marion Co. $165,312—to Cox & Bryson, Orlando, Fla., 13.92 mi. S-51-B, Madison Co. $119,921—13.54 mi. FAP-200-A, Talladega and Calhoun Counties $138,559—to Gillis Constr. Co., Brewton, 6.89 mi. S-21-C, Clarke Co. $31,978—to N. B. Burton, Montgomery, 10.92 mi. S-143-B, Lowndes Co. $53,096—to Brantley & Crowley, Banks, 14.52 mi. S-109-B, Henry and Dale Counties $78,466—to J. B. Turner, Columbiana 22.5 mi. S-186, Cullman and Marshall Counties $111,792—to W. L. Williams, Sycamore, Ga. 17.4 mi. S-237, Russell Co. $91,867—to J. A. Barthle, Lake Javita, Fla. 19.62 mi. S-256 Choctaw Co. $148,590—to M. A. Deese, Newton, 20.72 mi. S-256-A, Washington Co. $117,530—to H. N. Donahoo, 510 North 21st St., Birmingham, 11.04 mi. S-314 St. Clair and Talladega Counties, $58,469—to L. C. Britton, Jasper, 12.05 mi. S-329 Walker Co. $65,998—to City of Ozark, paving in streets S-387, Dale Co., $8,484—to City of Sylacauga, S-388, Talladega Co. $18,216—to Sutton Bros., Jacksonville, Fla., 16.85 mi. FAP-200-C, Cleburne Co. $225,392. Grand total $1,794,606. Noted June 28.

Ala., Sheffield—City Comn., grading, 2 in. asphalt on 6 in. concrete paving 12 blocks South Montgomery Ave., to Morgan-Hill Paving Co., Woodward Bldg., Birmingham, $61,386. Est. $65,000; storm sewers, to Kirkpatrick Constr. Co., Florence, $15,657.

Miss., Kosciusko—Attala Co., improving 6.398 mi. State Trunk Rd., to S. B. Boyd, Columbia, $58,455.

Miss., Kosciusko — Attalla Co. grading, bridging, graveling, 10.472 mi. Federal Aid Project 54-C, to Biddie Constr. Co., Laurel, $99,879.

Miss., Magnolia—Grading, 2½ in. brick on gravel paving 8,544 sq.yd., to Merrill Eng. Co., Jackson, $15,325; "White Way" lighting system, to Southern Electric Co., Hazelhurst.

Miss., McComb — Curbing, guttering, sewers, asphalt on concrete paving 47,750 sq.yd., to Merrill Eng. Co., Lamar Life Bldg., Jackson, at $1.88 per sq.yd.; concrete pipe, to Faulkner Concrete Pipe Co., Carter Bldg., Hattiesburg. Noted July 12.

Miss., Meadville—Franklin Co. grading 6.598 mi. Federal Aid Project 199-A, to Standard Highway Co., Inc., Triad Bldg., Baton Rouge, La., $62,251.

Miss., Mendenhall—Simpson Co., grading, paving 1.612 mi. Federal Aid Project 200-A, to Newson Bros., Columbia, $26,543.

Tenn., North Chattanooga (br. Chattanooga—Grading, curbing, guttering, 48,000 lin.ft. concrete sidewalks 14 streets, to H. Crouch, James Bldg., Chattanooga, $65,140.

Kentucky—State Hy. Dept., Frankfort, to F. G. Breslin, 32nd and Market Sts., Louisville, paving roads in Group 1, Spencer Co. $29,934—to Eaton Oil Wks., Covington, Group 2, Campbell, Pendleton and Harrison Counties, $48,091—to Southern Oil & Tar Co., Clay and Fulton Sts., Louisville, Group 3, Mason and Bourbon Counties, $44,058, Group 4, Scott Co. $24,921—Group 8, Pulaski Co. $27,310—to Carey-Reed Co., Lexington, Group 5, Fayette Co., $40,192—to Kentucky Road Oiling Co., Group 6, Madison and Clark Counties—$13,188—to R. B. Tyler Co., 114 South 4th St., Louisville Group 7, Boyle, Jassamine and Garrard Counties, $38,828. Grand total, $266,517. Noted July 12.

Ky., Fulton — Curbing, guttering, 6 in. concrete paving 5 mi., to Carey Reed Co., Lexington, $188,464. Noted July 19.

Ky., Louisville—Paving 15 streets, to H. Bickel Co., 435 Garden St. $35,328—F. G. Breslin, 32nd and Market Sts., $31,055—Louisville Asphalt Paving Co., 240 East Lee St., $21,735—G. M. Eady Co., Gilbert and Lee Sts., $12,853—Andrews Asphalt Paving Co., Inter-Southern Bldg., $18,782. Grand total $126,763.

Ohio—H. J. Kirk, dir. Hys., Columbus, to Allied Products Co., 9210 Holton Ave., Cleveland, surface treating 11.23 mi. Summit, Portage and Columbiana Counties, $7,625; 24.7 mi. Stark Co., $17,982; 19.42 mi. Trumbull and Columbia Counties, $10,445—to H. W. Bergman, Genoa, 15.859 mi. Wood and Henry Counties, $11,414—to T. D. Van Camp, Columbus, 31.065 mi. Butler, Clinton and Warren Counties, $24,452—to V. Olsen Co., Youngstown, brick paving 1.104 mi. Mahoning Co., $60,971. Grand total $132,889.

Ohio—H. J. Kirk, dir. Hys., Columbus, brick paving 0.543 mi. and concrete paving 1.472 mi. both in Ashland Co., to Griggs-Anderson Co., Millerburg, $19,350 and $57,100 respectively. Noted July 19.

O., Cincinnati—Comrs. Hamilton Co., grading, concrete repaving 8,500 sq.yd. Edgewood Rd., to Brewer & Brewer, 215 Hazen Bldg., $28,696. Est. $32,062. Noted June 28.

O., Garfield Heights (br. Cleveland)—To Thorpe Constr. Co., Hippodrome Bldg., brick paving East 94th St. $8,447, East 110th St. $17,940 and McCracken Blvd., $67,746. Grand total $94,133. Noted July 12.

Ind., Bloomington — City Council, concrete paving South Henderson and East 14th Sts., to Buskirk & Dodds, Bloomington, $6,775 and $20,875 respectively; East 1st St., to Ken & Murphy, Bloomington, $17,469. Grand total $45,119.

Ind., Hammond—Lake Co., concrete paving G. J. Elder Rd., to Brophy Constr. Co., Hammond, $94,900.

Michigan—R. A. Beers, resident engr., Kalamazoo, 20 ft. concrete paving 1.048 mi. MO8-17C-1, Barry and Calhoun Counties, to Grace Constr. Co., Fort Wayne, Ind., for State Hy. Comn., Lansing. $41,145. Noted June 14.

Constr. News page 75

Streets and Roads (Continued)

Michigan—C. L. Cowgill, resident engr., Plymouth, grading, concrete paving 42,626 sq.yd. F63-21C-1, Oakland, Co., to C. A. Handeyside Constr. Co., 12-233 General Motors Bldg., Detroit, for State Hy. Comn., Lansing. $69,617.

Michigan—H. C. Fleming, resident engr., Grand Rapids, concrete paving 2.22 mi. MO62-23C-1, Newaygo Co., to John R. Edelman Co., Muskegon, for State Hy. Comn., Lansing. $84,358 incl. cement. Noted June 14.

Michigan—H. C. Fleming, resident engr., Grand Rapids, concrete paving 1.249 mi. MO59-12, C-1, Montcalm Co., 20 ft., to E. J. Vander Veen, Grand Rapids, for State Hy. Dpt., Lansing, $52,789. Noted July 12.

Michigan—G. H. Green, resident engr., Alpena, concrete paving 1.803 mi. MO5-14, C-1 and MO69-5, C-2, 20 ft., to Rogers Constr. Co., Scottsville, for State Hy. Dpt., Lansing, $56,366. Noted July 19.

Michigan—G. H. Green, resident engr., Alpena, concrete paving 8.856 mi. FO16-13, C-2, 20 ft., Cheboygan Co., to Goldberg Constr. Co., Mackinaw City, for State Hy. Comn., Lansing. $216,679 incl. cement. Noted June 28.

Michigan—R. R. Havens, resident engr., Jackson, graveling 3.573 mi. MO33-22, C-1, and MO38-18, C-1, 18 ft., Ingham and Jackson Counties, to Briggs & Cheney, Dansville, for State Hy. Dpt., Lansing. $50,353. Noted June 28.

Michigan—R. R. Havens, resident engr., Jackson, 20 ft. concrete paving 0.881 mi. MO13-13C-2, Calhoun Co., to Grace Constr. Co., Fort Wayne, Ind., for State Hy. Comn., Lansing. $32,196. Noted June 28.

Michigan—H. G. Oakes, resident engr., Cadillac, 1.5 in. sheet asphalt paving 6.869 mi. MO28-20C-1, Grand Traverse Co., 18 ft., to Wolverine Asphalt Paving Co., Grand Rapids, for State Hy. Comn., Lansing, $112,980.

Michigan—H. G. Oakes, resident engr., Cadillac, graveling 4.319 mi. MO57-11, C-1, 18 ft., to E. L. McQuestion, Leroy, for State Hy. Dpt., Lansing. $81,786.

Michigan—H. G. Oakes, resident engr., Cadillac, concrete paving 1.201 mi. MO5-13, C-1, 20 ft., Antrim Co., to Maisman & Taber, Grand Rapids, for State Hy. Dpt., Lansing, $33,298. Noted July 19.

Michigan—H. G. Oakes, resident engr, Cadillac, concrete paving 1.792 mi. FO83-15C-1, Wexford Co., 20 ft., to Goldberg Constr. Co., Mackinaw City, for State Hy. Comn., Lansing. $64,665.

Michigan—R. W. Roberts, resident engr., Saginaw, concrete paving 0.439 mi. MO9-3-C-1, Bay Co., to A. J. Rehmius, Inc., Bay City, for State Hy. Comn., Lansing. $22,-781 incl. cement.

Michigan—G. D. Tramp, resident engr., Crystal Falls, concrete paving 6.774 mi. FO52-13C-1, Marquette Co., to P. J. Nickel Co., Ironwood, $246,387 incl. cement. Noted June 7.

Mich., Flint—For 3 in. vitr. brick on 8 in. concrete paving North Saginaw St., to White Constr. Co., 1548 Buhl Bldg., Detroit, $280,686.

Mich., Monroe—J. H. Eber, city clk., 8 in. one course concrete paving 12,600 sq.yd. Hollywood Dr., South Scott and East Loraine Sts., to W. H. Knapp Co., Monroe. Est. $30,000.

Mich., Plymouth—One course concrete paving 12,300 sq.yd., to Benton & Pope, Diehl Bldg., Mt. Clemens. Est. $30,000.

Ill., Alton—Bd. Local Impvts., 7 in. rein.-con. paving 16,113 sq.yd. 5 avenues and 3 streets, to Strubel & Helmick, 1117 West 9th St., $46,918.

Ill., Galesburg—Grading, curbing, guttering, vertical fibre brick on concrete paving 6 blocks Brown Ave., to H. H. Gunther, 600 East Main St., $25,937. Est. $27,606.

Ill., Peoria—Grading, curbing, rein.-con. paving 4 blocks West Virginia Ave. and Hansler Pl., and 4 blocks Adams St., to E. Lahmann & Co., Lehman Bldg., $11,638 and $20,846 respectively. Noted Feb. 9 and July 19.

Ill., Peoria—Concrete on present brick resurfacing 14 blocks North Adams St., 50 ft. $75,000. W. E. Backes, City Hall, engr.

Iowa—State Hy. Comn., Ames, to Rock Island Cement Co., Rock Island, Ill., grading, paving 10,195 sq.yds. Lee Co. 26,623—to Wright Constr. Co., 1325 Main St., Des Moines, 4,055 sq.yd. Polk Co. $12,466—to Bryant Paving Co., Waterloo, 4,600 sq.yd. Worth Co. $62,626—to D. C. Condon, 5412 Florence Blvd., Omaha, Neb., grading, channel change, incl. pipe 4.163 mi. Cerro Gordo Co. 17,442—to Shirley-Caldwell Co., Omaha, Neb., grading, culvert pipe 9.053 mi. Clayton Co. $43,623—to J. W. Wachtler, 310 Arthur Bldg., Omaha, Neb., 7.049 mi. Winneshiek Co. $35,432; 4.273 mi. Decatur Co. $27,363—to E. J. Wilson, Omaha, Neb., 6.483 mi. Mills Co. $32,112—to G. W. Condon, 415 Farnum St., Omaha, Neb., 6.973 mi. Montgomery Co. $36,882—to H. N. McCoy, Waterloo, graveling 6.2 mi. Bremer Co. $14,350—to O. Ehling, Charles City, 10 mi. Floyd Co. $6,946—to M. O. Weaver, Iowa Falls, 5 mi. Howard Co. $1,880; 6 mi. Jackson Co. $19,613; 22 mi. Worth Co. $10,664; 12 mi. Wright Co. $6,433—to Baumgardner & Schrieber, Wapello, 9 mi. Washington Co. $31,521—to Hinkle & Hinote, Wapello, 9 mi. Jefferson Co. $24,045. Grand total $410,021.

Ia., Charles City—Floyd Co., to M. P. Eischeid, New Hampton, graveling township road system, 1,000 cu.yd. gravel at $0.33 per cu.yd., 4,500 units overhaul $0.65, 300 cu.yd. stripping $0.12.

Ia., Charles City—Floyd Co. graveling 10 mi. road, to Moe & Nelson, Belmont, and to G. E. Sargent, Hampton. Noted June 28.

Ia., Dubuque—Dubuque Co., 6 in. concrete paving 3.333 mi. U. S. Hy. 61, to Ulrich-Paley Co., Dubuque, $77,781.

Ia., Estherville—Grading 5 mi. Jack Creek Twp., to O'Hanlon & Reilly, Omaha, Neb., $5,000. Noted July 5.

Ia., Fairfield—To C. H. Kearns, Fairfield, improving streets 2,639 sq.yd., 6 in. rein.-con. paving at $2.08 per sq.yd. curbing and guttering $1.95, grading $0.65; to Rock Island Cement Co., Rock Island, Ill., 12,637 sq.yd. 7 in. rein.-con. paving $1.92, grading $0.75. Est. $26,000.

Ia., Indianola—Warren Co., 6 in. concrete paving 4.75 mi. U. S. Hy. 65, to Des Moines Asphalt Paving Co., Des Moines, $121,293.

Ia., Le Mars—Plymouth Co., grading 10 mi. road, to W. G. Condon, 415 Farnum Bldg., Omaha, Neb.

Ia., Onawa—Monona Co., to G. W. Condon Co., 223 Grain Exch. Bldg., Omaha, Neb., improving Mapleton-Castana Rd., 114,650 cu.yd. earth excav. at $0.11 per cu.yd., loose rock $0.50, solid rock $1, culvert labor $0.20, clearing and grubbing $137.

Ia., Orange City—Sioux Co., to C. W. McNamara, Sioux Falls, improving 8 mi. roads, 39,295 cu.yd. excav. at $0.219 per cu.yd. loose rock $0.75, solid rock $1.50, 828 ft. 18 in. culvert labor $0.20, 28 ft. 24 in. $0.30, 6,920 units overhaul $0.02.

Ia., Osage—Mitchell Co., to O'Hanlon & Reilly, Omaha, Neb., improving roads, 158,-187 cu.yd. earth excav. at $0.204 per cu.yd. 162,578 units overhaul $0.02, 250 cu.yd. rock excav. $0.90, 3,971 ft. culvert labor $0.25. Noted July 19.

Ia., Sidney—Fremont Co., grading 2.12 mi. roads, to G. W. Condon, 415 Farnum Bldg., Omaha, Neb. Noted July 12.

Ia., Webster City—Winneshiek Co., to J. A. Dunkel Constr. Co., Webster City, improving road, 5,827 cu.yd. earth and loose rock excav. at $0.60 per cu.yd. 2,011 cu.yd. solid rock $1.20, clearing and grubbing $400.

Ia., West Union—Fayette Co. graveling 17.6 mi. road, to A. J. Fleckenstein, Cedar Rapids.

Minn., Eveleth—Rein.-con. repaving 6 blocks, to Aaby-Maturi, Chisholm, $26,154.

Kan., Iola—Allen Co., grading, bridging, concrete paving 1.689 mi. Federal Aid Project 367-E, to Fry Bros., Iola., $42,749 bridging $4,296 respectively. Noted June 28.

Mo., Kansas City—For 8 in. concrete paving Hardesty St. between 17th and 22nd Sts., to Halpin-Dwyer Constr. Co., 709 Ry. Exch. Bldg., $23,084. Est. $25,000.

Kan., Kansas City—Wyandotte Co., grading, macadam paving 1.545 mi. Overton Rd., to H. C. Botsford, Piper, $26,429.

Kan., Leavenworth—Leavenworth Co., to F. W. Watkins, Eldorado, grading 1.137 mi. Sect. B Federal Aid Project 376, $12,-100; 1.669 mi. Sect. C, $40,151; two 23 ft., eight 30 ft. deck girder span rein.-con. bridges Sect. F, $19,414—to D. Scherrer Constr. Co., Kansas City, grading 1.39 mi. Federal Aid Project 376-A, $7,720—to F. M. Clark, Savannah, Mo., two 30 ft., one 40 ft. deck girder bridge, Sect. G, $10,645. Grand total $90,030. Noted June 28.

Kan., Minneapolis—Ottawa Co., grading, culverts 4.967 mi. Sect. B, 4.033 mi. Sect. C Federal Aid Project 362, to Wyland, Lattin & Yard, Abilene, $42,613; 5 bridges, to C. L. Ring, McPherson, $14,713.

Neb., Bloomfield—For 3 and 4 in. graveling 67,700 sq.yd., to Western Bridge & Constr. Co., 3867 Leavenworth St., Omaha, $21,963. Est. $35,000. Noted June 7.

Neb., Superior—Grading, concrete paving, to Booth & Olsen, Inc., 318 Grain Exch. Bldg., Sioux City, Ia., $27,872.

Mo., Sikeston—Paving Madame Ave., to Tidd & Cole, Hutchinson, Kan., $39,259.

Arkansas—State Hy. Dept., Little Rock, to S. K. Jones, Cotton Exch. Bldg., Memphis, Tenn., grading 9 mi. Lee Co., $37,721—to Hinson Bros., Muskagee, Okla., 5 mi. Sharp Co., $62,997—to Arkansas General Constr. Co., Little Rock, 10 mi. Jefferson Co., $56,018; 11 mi. Jefferson and Grant Counties, $80,879—to S. B. Boyd, Columbia, Miss., 5½ mi. Lafayette Co., $19,757—to Williamson & Williams, Batesville, 8 mi. Stone Co., $68,254—to W. P. McGeorge & Co., Pine Bluff, 7½ mi. Izard Co., $102,957—to Bradley & Tolbert, Sheridan, 10 mi., Dallas and Ouachita Counties, $63,125—to J. G. Newkirk, Mount Holly, 7 mi. Union Co., $46,481; 11 mi. Columbia and Union Counties, $82,332—to E. A. Luck, 4007 East 53rd St., Kansas City, Mo., 6 mi. Perry Co., $45,887—to Cook & Ransom, Ottawa, 13 mi. Boone Co., $78,486—to North Arkansas Constr. Co., Yellville, 0.3 mi. Marion Co., $10,569—to Philpott Constr. Co., Pine Bluff, concrete paving 11½ mi. Clay Co., $232,642; ½ mi. Union Co., $7,743—to F. U. Halter & Sons, Conway, gravel surfacing 9 mi. Hempstead Co., $12,-422; 8 mi. Saline Co., $12,401—to T. L. Throgmorton & Son, Ft. Scott, Kan., crushed stone surfacing 13½ mi. Hy. 10, Sect. 1, $34,655—to State Hy. Dept. by force account 10.5 mi. Washington Co. Noted July 12.

Texas—G. Gilchrist, state hy. engr., Austin (**e.e. means engrs. est.**), grading, drainage structures on 7.642 mi. hy. in Fayette Co. and 6.64 mi. De Witt Co., to Cage & Ruby, San Antonio, $46,032 and $28,693 respectively, e.e. $36,000 and $32,-400 respectively—13.619 mi. Throckmorton Co., to F. and D. Hall, City Hall, Mexia, $45,108 e.e. $54,000—concrete paving 9.83 mi. Carson Co., to J. W. Zempter & Co., P. O. Box 497, Galveston, $235,467 e.e. $234,000 — grading, drainage structures, concrete paving 10.028 mi. Harris Co., to A. A. Davis & Co., 300 City Bank Bldg., Kansas City, Mo., $258,849 e.e. $288,000. Grand total $614,149. Noted July 12.

Tex., Amarillo—Concrete curbing, guttering, 6½- 7½ in. vibrolithic concrete paving 5 blocks 2nd St., to C. Pleasant, 715 Rule Bldg., $31,923. Est. $35,000. Noted May 17.

Tex., Ft. Stockton—R. D. Bloydes, mayor, brick, vibrolithic or asphalt paving 17.460 sq.yd., to Brown & Root, P. O. Box 745, Austin, $64,813. Noted July 5.

Tex., Houston—Warrenite bitulithic paving 13,500 sq.yd. Live Oak St., to Gulf Bitulithic Co., 2820 Polk Ave., $36,729. Est. $40,000.

Tex., San Antonio—I. Ewig, city engr., city hall, 2 in. hot rock paving Fredericksburg Rd., from North Flores to Cincinnati Aves., to Uvalde Rock Asphalt Co., 1128 North Mesquite St., $26,401.

Okla., Chickasha—Grading, concrete paving 29,100 sq.yd., to Edminston Constr. Co., Hall Bldg., $82,336. Est. $85,000.

Okla., Okeene—Grading, concrete paving 9,700 sq.yd. Bway., to Dick & Herbert, Perrine Bldg., Oklahoma City, $30,428. Est. $31,000.

Okla., Roosevelt—Grading, concrete paving 9,750 sq.yd. Main St., to J. E. Dennison, Hobart, $30,307. Est. $34,100.

Nevada—State Hy. Comn., Carson City, grading, 20 ft. graveling 7.5 mi. Leiteville-Fallon State Rd., Churchill Co., to A. D. Drumm, Jr., Fallon $26,986.

Wash., Seattle—Bd. P. Wks., 6 in. concrete paving 157,000 sq. yd., 34th Ave. N. W., to Fiorito Bros., 3950 6th Ave. N. W. $392,924.

California—State Hy. Comn., Sacramento, improving 5.99 mi. Natl. Park Hy., Tehama Co., to Young Bros., Berkeley, $69,901.

California—State Hy. Dept., Sacramento, grading, crushed gravel surfacing 2.1 mi. Humboldt Co., to W. H. Hauser, Orick, $46,803—grading, surfacing 12.1 mi. Lassen and Modoc Counties, to Coolidge & Scott, Minden, Nev., $107,157. Noted Aug. 2.

California—State Hy. Dept., Sacramento, grading 10.6 mi. Placer and Nevada Counties, 20 ft., to Callahan Constr. Co., 830 California Bldg., Los Angeles, $242,442. Noted Aug. 2.

California—State Hy. Comn., Sacramento, widening, asphaltic concrete shoulders 5.1 mi. Hy. between Cherokee Station and Live Oak, San Juaquin Co., to D. McDonald, 1118 G St., Sacramento, $31,279. Noted Aug. 2.

Constr. News page 76

Streets and Roads (Continued)

Calif., Los Angeles — Grading, concrete paving South Sherman Way and Tyrone Ave. Impvt. Dist., to Curtis Paving Co., 2440 East 26th St., $313,245.

Calif., Pittsburgh—C. A. Hooper & Co., curbing, walks streets bounded by Solari Ave., Columbia St. and county highway, to Hutchinson Co., 1706 Bway., Oakland, $100,000.

Calif., San Diego—Bd. Superv., 6 in. concrete paving 7.5 mi. Lemon Grove, to Noble & Rhodes, Inc., John D. Spreckels Bldg., $165,144.

Calif., Southgate — Grading, curbing, guttering, walks, street lighting Dearborn and Victoria Aves (A & I, No. 5), to V. Kovacevich, 1553 Loma Vitsa Ave., Long Beach, $333,474. Noted July 5.

Calif., South Pasadena—Curbing, walks, 5 in. asphaltic concrete paving 25,300 sq. ft. El Centro St., to Southwest Paving Co., Washington Bldg., Los Angeles, $64,595.

Ont., East Sandwich — Twp., concrete pavements, to Morand & Adair, Lauzon Rd., Riverside, $16,014—sidewalks, to Labute & Canuel, Tecumseh, $19,556—watermains, to Ryan Constr. Co., 109 Ottawa St., Walkerville and Coulotti Bros., 612 Langlois Ave., Windsor, $33,286—sewers to Merlo, Merlo & Ray, Ford City, $4,492. Grand total $73,348.

Ont., Ottawa—Paving Laurier Ave. east from Nelson to Charlotte Sts., to O'Leary's, Ltd., Bank Natl. Bldg., Rideau St., $60,700.

Ont., Ottawa—Paving Laurier Ave. west from Nelson St. to Nicholas St., to O'Leary's Ltd., Bank Bldg., Rideau St., $61,028.

British Columbia—Dpt. P. Wks., Victoria, asphaltic concrete paving 2 mi. Hastings Barnet Rd., to Ellis-Cotton Ltd., False Creeks Yards, Vancouver, $40,000.

Public Bond Elections

Coming Bond Elections

Waterworks—Altus, Okla., Aug. 10, $25,000.
Sewers and Disposal Plant—Peoria, Ill., Aug. 28, $2,415,000.
Sewers—Altus, Okla., Aug. 10, $120,000.
Sewers—Houston, Tex., Aug. 25, $200,000.
Irrigation Work — Hidalgo County, Tex., Water Impvt. Dist., $125,000.
Paving—Houston, Tex., Aug. 25, $1,750,000.
Roads—Caldwell County, Tex., $200,000.
Roads—Willacy County, Tex., $400,000.
Electric Light Plant—Paducah, Ky., Nov. 6, $800,000.

Bonds Voted

Waterworks—Purcellville, Va., $90,000.
Waterworks—Sulphur, La., $60,000.
Waterworks—Maud, Okla., $75,000, Long & Co., Okla. City, Engrs.
Waterworks—Tenaha, Tex., $30,000.
Waterworks—Sierra Madre, Calif., $130,000.
Sewers—Mineola, N. Y., $650,000, Clyde Potts, New York, Engr.
Sewage Disposal—Highland, N. C., $65,000.
Sewers — Hinton, Okla., $30,000, Coon & McKinnon, Guthrie, Engrs.
Sewers — Waco, Tex., $250,000, E. E. McAdams, City Mgr.
Incinerator—Waco, Tex., $30,000.
Paving—Ripley, Tenn., $75,000.
Roads—Pecos County, Tex., $500,000.
Roads—Baylor County, Tex., $275,000.

Bonds Defeated

Waterworks—Camden, Tenn., $37,000.
Waterworks—Bertha, Minn., $25,000.
Sewers—Camden, Tenn., $56,000.

Buildings—Commercial

Proposed Work

Me., Portland—HOSPITAL—Maine General Hospital sketches by Coolidge, Shepley, Bulfinch & Abbott, Ames Bldg., Boston, Mass., 3 story, basement, brick addition. $200,000.

Mass., Boston—OFFICE—Osler Medical Building Trust, A. P. Pearce, Jr., trustee, 15 State St., plans by Blackall, Clapp & Whittemore, 31 West St., 8 story, basement, 60 x 300 ft., brick, steel, limestone, plain found., Bay State Rd. and Sherborn St. $1,000,000.

Mass., Hingham—TEMPLE—Old Colony Lodge A. F. & M., J. I. Botting, sketches by T. M. James Co., 3 Park St., Boston, Mass., masonic temple. $150,000 or more.

Mass., Lawrence — HOSPITAL — City, c/o J. J. Deacy, chn. Bd. Health, sketches by Ashton, Huntress & Alter, 477 Essex St., probably brick, stone, Marston St. To exceed $150,000. Noted Nov. 3.

Conn., Bristol — CITY HALL — City, Mayors Office, City Hall, new city hall. $150,000 or more. Engineer and architect not selected.

Conn., Hartford—APARMENT, STORE and THEATRE—Community Theatre Building Corp., c/o G. H. Matthews, archt., 48 Camp St., 3 story, basement, 50 x 140 ft., apartment and store, and 2 story, 65 x 140 ft. theatre building, both brick and steel, Albany Ave., $300,000. Noted Aug. 2.

R. I., Providence—BANK and OFFICE—Providence National Bank, 20 Westminster St., sketches by Howe & Church, 1208 Turks Head Bldg., brick, steel, Westminster St. To exceed $150,000.

N. Y., Brooklyn—APARTMENTS—Bona Fide Realty Corp., I. Weiner, pres., 191 Joralemon St., plans by Prober & Blaufeux, 66 Court St., two 4 story, 75 x 90 ft., brick, timber, Bay 41st St. and Benson Ave. $100,000 each.

N. Y., Brooklyn—APARTMENT—Red Brick Realty Co., A. Fox, pres., 6801 Bay Parkway, plans by Cohn Bros., 361 Stone Ave., 6 story, 76 x 100 ft., brick, timber, Bay 29 and Benson Sts. $185,000.

N. Y., Buffalo—GARAGE—Genesee Motoramp Garage, 92 Perl St., F. W. Moe, in charge, 21 East 40th St., New York, bids after Aug. 10, general contract garage, 312 Pearl St. $60,000. E. B. Green & A. H. Hopkins, 1 Niagara Sq., archts.

N. Y., Comstock—PRISON—Dpt. Correction, 11 North Pearl St., Albany, bids in September or October, prison. State Dept. Architecture, Albany, archt. H. W. Vasser, 10 East 47th St., New York, associated archt.

N. Y., Jackson Heights (Sta. Flushing)—APARTMENTS—Jackson Hei hts Apartment Co., 14 East 41st St., New York, plans by G. H. Wells, 274 Madison Ave., New York, four 3 story, 42 x 51 ft., brick, timber, Hays Ave. and 28th St. $150,000.

N. Y., Kew Gardens—APARTMENT—M. Bieher, Plaza Crescent Bldg., Long Island City, plans by B. Braunstein, 163-18 Jamaica Ave., Jamaica, 6 story, 161 x 193 ft., brick, timber, 118th St. and Metropolitan Ave. $350,000.

N. Y., Kings Park — HOSPITAL — Dpt. Mental Hygiene, Albany, bids late in August, hospital at Kings Park State Hospital. $275,000. W. E. Hauggard, Albany, state archt. Clark & Arms, Park Ave., New York, assoc. archts. Noted June 7.

N. Y., Middletown — HOSPITAL — Dpt. Mental Hygiene, Capitol, Albany, bids latter part August, general contract Middletown State Hospital. $900,000. State Dept. Architecture, Albany, archts. LaFarge, Warren & Clark, 146 East 46th St., New York, associated archts. Noted June 7.

N. Y., Montauk Point (Montauk P. O.)—HOTEL—Montauk Beach Development, C. G. Fisher, in charge, 730 5th Ave., New York, plans by Lockwood, Greene & Co., 1 Pershing Sq., New York, hotel. $750,000.

N. Y., Mt. Vernon—STORE and OFFICE—C. N. Whinston & Bros., archts., 2 Columbus Circle, New York, soon take bids general contract store and office building, North St. and 4th Ave., for C. Lerner & Son, 354—4th Ave., New York. $150,000.

N. Y., New York — APARTMENT — Galock Realty Corp., S. Gordon, pres., 56 West 45th St., plans by Springsteen & Goldhammer, 40 East 49th St., 6 story, 67 x 150 ft., brick, timber, McGraw and Stomow Sts. $200,000.

N. Y., New York—APARTMENT—Shalex Realty Co., S. Shapiro, pres., 565 Tremont Ave., plans by Goldner & Goldner, 141 West 42nd St., 6 story, 27 x 155 ft., brick, timber, 105 Bennett Ave. $450,000.

N. Y., New York—APARTMENT—Shalex Realty Co., S. Shapiro, pres., 565 East Tremont Ave., plans by Goldner & Goldner, 141 West 42nd St., 6 story, 87 x 180 ft., brick, timber, 117 Bennett Ave. $550,000.

N. Y., New York—APARTMENT and STORE—B. M. House & Son, 17 West 96th St., plans by Ellis, Aaronson & Heidrich, 25 West 43rd St., 16 story, 99 x 100 ft., brick, steel, 301 East 38th St. $1,000,000.

N. Y., New York—APARTMENT—Baker Lewine Constr. Co., A. E. Lewine, pres., 345 Madison Ave., plans by J. M. Felson, 250 West 57th St., 16 story, 82 x 109 ft., brick, steel, 302 East 79th St. $900,000.

N. Y., New York—APARTMENT—Lehy Building Corp., L. Brill, pres., 151 East 120th St., plans by G. G. Miller, 1482 Bway., 6 story, 87 x 150 ft., brick, timber, Boynton and Westchester Aves. $250,000.

N. Y., New York—APARTMENT—Marburn Realty Co., M. Brenner, pres., plans by Schaefer & Rutkins, 2408 Grand Concourse, 6 story, 132 x 177 ft., brick, timber, Pugsley and 177th Sts. $375,000.

N. Y., New York—APARTMENT—Three Hundred Fifty Central Park West Corp., I. Kraft, pres., 1560 Bway., plans by J. M. Felson, 250 West 57th St., 16 story, 108 x 201 ft., brick, steel, 341 Central Park West. $1,250,000.

N. Y., New York—APARTMENT—Townwalt Realty Corp., J. S. Weiss, pres., plans by Glick & Duma, 400 East Fordham Rd., 6 story, 90 x 150 ft., brick, timber, Eastern Blvd. and Roberts Ave. $425,000.

N. Y., New York—BANK and OFFICE—S. Birns, 107 2nd Ave., plans by R. H. Segal, 475 5th Ave., 6 story, 90 x 100 ft., brick, stone, steel, 107 2nd Ave. $300,000.

N. Y., New York—HOSPITAL—Skin & Cancer Hospital, 301 East 19th St., plans by Crow, Lewis & Wick, 200 5th Ave., hospital, 106-7 5th Ave. Noted June 28.

N. Y., New York—LOFT, STORAGE and STORE—Cobus Holding Corp., W. H. Jacobus, pres., 114-—5th Ave., plans by W. I. Hehauser, 17 West 44th St., 15 story, 28 x 150 ft., brick, steel, 307 5th Ave. $375,000.

N. Y., New York—STORES and APARTMENTS—Morrow Bros. Constr. Co., 343 Lexington Ave., plan 18 story, brick, rein.-con., steel, stores and apartments, Amsterdam, 78th and 79th Sts. $1,500,000.

N. Y., Utica—ARMORY—State of New York, Albany, bids in October, armory. $200,000. H. C. Caldwell, 101 Park Ave., New York, archts. W. M. Acheson, 353 Bway., Albany, engr.

N. Y., White Plains—CLUB HOUSE—B.P.O.E., E. A. O'Brien, secy., Hamilton Ave., sketches by Schultz & Whitney, 247 Park Ave., New York, 2 story clubhouse, Hamilton Ave. $200,000.

N. J., Bergenfield — CLUB — Knights of Columbus, St. John's Council, Washington Ave., will not construct 3 story, basement, brick, steel, plain found. $150,000. Project abandoned. Noted May 31.

N. J., Bloomfield—APARTMENT— M. Olman, 46 Maolis Ave., Newark, will not construct 6 story, basement, brick, steel, plain found. $250,000. Project abandoned. Noted Oct. 6.

N. J., East Orange—MEDICAL BUILDING—Aetna Realty Co., 31 Wayne Ave., sketches by W. E. Lehman, 972 Broad St., Newark, 10 story, basement, brick, steel, plain found. Main St., $1,000,000. Steam heating.

N. J., Hackensack — GARAGE — H. V. Keenan, 29 State St., plans by J. L. Tillack, 173 Main St., 5 story, basement, brick, steel, plain found. $200,000. Noted Mar. 9.

N. J., Hoboken—APARTMENT—Marlboro Co., J. J. O'Leary, pres., 730 Hudson St., sketches by F. W. Fisher, 68 Hudson St., 8 story, basement, brick, steel, plain found., Washington St. between 10th and 11th Sts. $500,000. Noted Aug. 2.

N. J., Jersey City—TERMINAL—Jersey City Chamber of Commerce, R. J. Hoos, pres., 1 Newark Ave., brick, steel, plain found. Railway terminal Cornelison Ave. Montgomery and Grand Sts., $1,000,000. Engineer and architect not selected.

N. J., Montclair — HOSPITAL — W. L. Walker, archt., 103 Park Ave., New York, soon lets contract, 3 story, basement, 36 x 134 ft., brick, steel, plain found., Harrison Ave., for Montclair Community Hospital, 120 Harrison Ave. $300,000. Noted May 17.

N. J., Newark — APARTMENT — Gibbs Building & Constr. Co. c/o L. Kasoff, archt., 164 Market St., 5 story, basement, 100 x 140 ft., brick, steel, plain found., 502-4 Summer Ave. $260,000.

N. J., Newark — APARTMENT — H. R. Van Cuyne, Inc., plans by J. B. Peterkin, 285 Madison Ave., New York, 5 story, basement, brick, steel, plain found., Parkview Terrace and Chancellor Ave., Jersey City. Est. $500,000.

N. J., Newark—GARAGE—Owner, c/o F. H. Koenigsberger, archt., 48 Walnut St., sketches 3 story, basement, brick, steel, plain found. $150,000.

N. J., Newark—HOME OFFICE—American Insurance Co., C. W. Bailey, pres., 70 Park Pl., sketches by J. H. and W. C. Ely, 605 Broad St., brick, steel, plain found. $500.

N. J., Newark—HOSPITAL—St. Barnabas Hospital, 685 High St., plans by Crow, Lewis & Wick, 200 5th Ave., New York, 3 story, basement, brick, steel, plain found., 685 High St. $150,000. Noted June 21.

N. J., Newark—STORE—L. Bamburger & Co., Market St., plans by A. Markt & Co.,

Constr. News page 77

Buildings—Commercial (Continued)

archts. and engrs., 175 5th Ave. New York, 8 story, basement, 200 x 300 ft., brick, steel addition, plain found. $500,000.

N. J., Paterson — BUSINESS — Carroll Estate, c/o F. W. Parsons, archt., 949 Bway., New York, revised plans 12 story, basement, 100 x 107 ft., rein.-con., brick, steel, plain found. $500,000. Former bids rejected. Noted Apr. 12.

N. J., Ridgefield — BANK — Ridgefield Natl. Bank, Broad Ave., plans by Francisco & Jacobus, 511 5th Ave., New York, general contract 2 story basement, brick, steel, plain found., Broad and Edgewater Aves. $150,000. Noted July 26.

N. J., Teaneck—APARTMENT—Manor Arms, Inc., c/o P. J. Jossler, archt., 240 Broad Ave., Palisades Park, 3 story, basement, steel, brick, plain found., Cedar Lane. $200,000.

N. J., West Orange—APARTMENTS—J. Anteloro, c/o D. J. Scrocco, archt., 60 Park Pl., Newark, two 3 story, basement, brick, steel, plain found., 45-47 Watson St. $150,000.

Pa., Uniontown—BANK—National Bank Fayette Co., M. H. Bourman, pres., Uniontown, plans by Hopkins & Dents, 415 Lexington Ave., New York, bank. $200,000

D. C., Wash.—AMUSEMENT—National Arcade Co., 2807 Conn. Ave. N.W., tentative sketches 10 story, 99 x 146 ft. amusement building, incl. dance hall, poolroom, roof garden, bowling alleys. $700,000.

D. C., Wash.—OFFICE—Southern Railway Co., 13th St. and Penn. Ave., B. Herman, chn. engr., plans by W. B. Wood, 16 Jackson Pl. N.W., office, 15th and K Sts. N.W.

N. C., Charlotte—OFFICE—Amer. Trust Co., W. H. Wood, pres., American Bldg., plans 20 story, basement, brick, steel, South Tryon St. $1,200,000.

N. C., Raleigh—CITY HALL—City new municipal building, auditorium, 10,000 seating capacity, South Fayetteville St. $500,000. C. C. Page, Comr. Pub. Wks.

N. C., Raleigh — OFFICE and CLUB—Capitol Club, J. W. Hinsdale, pres., plans by F. Simpson, Raleigh, 14 story, basement, Martin and Salisbury Sts. $500,000.

N. C., Raleigh—OFFICE—Raleigh Banking & Trust Co., W. B. Drake, pres., soon takes bids 8 story, 66 x 114 ft., (ultimately 11 story) limestone, concrete, steel, Fayetteville St. $300,000.

Tenn., Nashville — HOSPITAL — Central State Insane Hospital rebuilding Insane Hospital, Murfreesboro Rd., recently destroyed by fire. $200,000. R. H. Lyle, comr. Institutions.

Tenn., Nashville—LODGE—Grand Lodge of Pythias, N.A.S.A.E.A., 428 5th Ave. N., Grand Lodge of Pythias (Colored), 4th and Cedar Sts. $165,000.

O., Akron—EXCHANGE—Ohio Bell Telephone Co., c/o A. W. Bailey, architectural engr., 750 Huron Rd., sketches by Mills, Rhines, Bellmen & Nordhoff, Ohio Bldg., Toledo, 6 story, basement, brick, steel, rein.-con., Bowery and Quaker Sts. $700,000.

O., Cleveland — APARTMENTS — Parklawn Impvt. Co., 502 Ulmer Bldg., plans by L. Skolnik, Auditorium Garage Bldg., two 3 story, basement, 40 x 82 ft., brick, timber, Parklawn Ave. $150,000.

O., Cleveland — PARKING GARAGE — The 1353 Chester Co., c/o M. Marmorstein, pres., Union Mortgage Bldg., 6 story, basement, 88 x 125 ft., brick, rein.-con., East 13th St., and Chester Ave. $300,000.

O., Cleveland Heights (Warrensville P. O.)—APARTMENT—B. D. Roseman, 14628 South Woodland Rd., Cleveland, plans by M. Weis, 1836 Euclid Ave., Cleveland, 3 story, basement, 140 x 196 ft., brick, steel, Superior Parkway. $300,000. Noted May 10.

O., Dayton—APARTMENT—H. W. Adelberger, Jr., 317 Ottebein Ave., 3 story, basement, 80 x 190 ft., rein.-con., brick, incl. garages, plain found., North Robert Blvd. $300,000.

O., Lakewood (br. Cleveland)—APARTMENT—Shoreham Apartments Co., c/o M. Arnoff, 2030 East 86th St., Cleveland, 4 story, basement, 43 x 140 ft., brick timber, 12016 Lake St. $175,000. Private plans.

O., Wauseon—HOSPITAL and NURSES HOME—Community Hospital Assn., c/o A. Suempel, bids early in September, hospital and nurses home. $250,000. H. C. Pelton, 415 Lexington Ave., New York, archt. Jaros & Baum, 116 West 39th St., New York City, heating engr.

Mich., Detroit—STORE—Paterson Development Co., c/o Stratton & Hyde, archts., Marquette Bldg., 2 story, basement, 105 x 145 ft., rein.-con., brick, plain found., Jefferson Ave. $150,000.

Mich., Kalamazoo—BANK and OFFICE—Kalamazoo Trust & Savings Bank, plans by Weary & Alford, 1923 Calumet Ave., Chicago, Ill., 15 story, steel, brick, stone, granite bank and office. $1,000,000.

Ill., Chicago—APARTMENT — H. H. Decker, 400 North Michigan Ave., will not build 25 story, basement, apartment, Burnham Park and Chicago Beach Dr., $2,100,000. Noted Feb. 2.

Ill., Chicago—APARTMENT—Friedman Constr. Co. (owner and contractor), 105 North Clark St., soon takes bids sub-contracts 3 story, basement, 100 x 163 ft., brick, terra cotta, West 16th St. and Springfield Ave. $300,000. T. R. Bishop & Son, 35 South Dearborn St., archts.

Ill., Chicago—APARTMENT and STORE—A. Rosenfeld, 11 South La Salle St., soon takes bids 4 story, basement, 50 x 171 ft., brick, stone, 1440 Morse Ave. D. S. Klafter, 64 West Randolph St., archt.

Ill., Chicago—CLUB—Hellenic Arts Club, 134 North La Salle St., plans by N. Z. Konstant, 222 North Wells St., (or 205 West Wocker Dr.), 42 story, club, incl. gymasiums, lounge rooms and dining room, etc. $3,500,000.

Ill., Chicago — HOSPITAL — Henrotin Hospital, 937 North La Salle St., sketches by Holabird & Root, 333 North Michigan Ave., 20 story, 937 North La Salle St. $2,000,000.

Ill., Chicago—POWER PLANT—University of Chicago, 189 West Madison St., plans by P. B. Maher, 159 East Erie St., archt., Neller, Rich & Co., 431 South Dearborn St., engrs. 47'000,000 cu.ft. power plant, 61st St. and Blackstone Ave., $1,500,000.

Ill., Decatur—OFFICE—Citizens Building Corp., c/o W. Barns, Jr., 250 North Water St., plans by Holabird & Root, 333 North Michigan Ave. Chicago, 10 story, basement, rein.-con., brick, steel, North Water St. $500,000.

Ill., Decatur — OFFICE and STORE — Citizens Building Corp., 250 North Water St., plans by Holabird & Root, 333 North Michigan Ave., Chicago, 10 story, 254 North Water St. $500,000.

Ill., Freeport — APARTMENT, STORE and THEATRE — United Studios, Inc. (owners and architects), 3 story, basement, 92 x 120 ft., and 50 x 90 ft., brick, stone, 114 South Galena Ave. $450,000.

Wis., Milwaukee—BANK—Badger State Bank, 2020-8 Fond du Lac Ave., plans by Kirchhoff & Rose, 210 Michigan St., 2 story, brick, Fond du Lac Ave. $200,000.

Minn., St. Paul—GARAGE—Abbott-Miller Co., 317 Commerce Bldg., 4 story, basement, rein.-con., brick, 3rd and Wabash Sts., for Ballard Storage & Transfer Co., 16 East 4th St. $250,000.

Kan., Beloit—HOSPITAL—City, W. S. Irwin, secy., plans by Pelton & Rogers, 415 Lexington Aves., New York, general contract 2 story hospital. $200,000. Jaros & Baum, 116 West 39th St., New York, heating and ventilating engrs.

Mo., St. Joseph — APARTMENTS — National Building & Constr. Co., Waldheim Bldg., Kansas City, 3 story, basement, 40 x 65 ft., rein.-con., brick, terra cotta twin apartments, Noyes St. and Jules Blvd. $200,000. Owner builds.

Mo., St. Louis — APARTMENT — A. H. Winklemeyer, 2602 South Grand Blvd., takes bids after Sept. 1, 7 story, basement, 90 x 100 ft., rein.-con., brick, terra cotta, Grand and Sidney Aves. $350,000. Bowling & Shank, 1198 Arcade Bldg., archts. Noted Dec. 1.

Mo., St. Louis—EXHIBITION HALL—Forest Park Highlands Exhibition & Amusement Co., c/o B. G. Brinkman, pres., 5600 Oakland Ave., bids about Sept. 1, separate contracts two 288 x 300 ft. exhibition halls, 282 x 412 ft. arena, and main building, 132 ft. high, all rein.-con., brick, steel, Oakland and Parkview Aves. $1,500,000. G. H. Holcombe & H. W. Hollingsworth, Tulsa, Okla., archts. and engrs. H. M. Sohrman, 7209 Lyndover St., associated archt. Noted June 7.

Mo., St. Louis—HOSPITAL — St. Lukes Hospital, 5535 Delmar Blvd., sketches, rein.-con., brick, stone addition. $1,000,000 or more.

Mo., St. Louis — STORE and APARTMENT—Local syndicate, c/o S. Hamburg, Jr., Arcade Bldg., sketches by J. L. Bowling & T. Shank, Arcade Bldg., 4 story, basement, 100 x 148 ft., rein.-con., brick, terra cotta, Delmar Blvd. and DeBaliviere Ave. $300,000.

Mo., St. Louis—HOTEL—F. Yawitz, 2333 Pine St., sketches rein.-con., brick, steel, terra cotta on 63 x 109 ft. site, 15th and Pine Sts. $1,000,000 or more.

Mo., Moberly — Moberly Y.M.C.A. postponed taking bids until spring, 4 story, 100 x 120 ft., rein.-con., brick, stone, terra cotta building. L. Abt, Moberly, archt. Noted Mar. 15.

Tex., Beaumont — MEDICAL ARTS — Owner, c/o H. W. Willis, leasing agt., Beaumont, plans by Flint & Broad, Melba Bldg., Dallas, 10 story, rein.-con., brick, stone, Pearl and Milan Sts. $750,000.

Tex., Beaumont—MEDICAL ART—E. S. White, archt., 919 Post Dispatch Bldg., Houston, soon takes bids 12 story, brick, stone, rein.-con., steel, Park and Fannin Sts., for W. C. Biddle, 917 Post Dispatch Bldg., Houston. $800,000.

Tex., Beaumont—Y. M. C. A., c/o T. N. Whitehourst, chn., plans by Tisdale, Stone & Pinson, 1103 Goodhue Bldg., J. W. Ogg, consult. archt., 19 South La Salle St., Chicago, Ill., and soon takes bids 3 and 4 story, part basement, 100 x 128 ft., brick, steel, rein.-con. $400,000. Noted June 11.

Tex., Brownsville—ADMINISTRATION—A. B. Cole, mayor, soon takes bids 2 story, 25 x 40 ft., stucco, timber, in El Jardin Addition. $150,000.

Tex., Houston—DEPOT—Southern Pacific Lines (in Texas and Louisiana) R. W. Barnes, ch. engr., Southern Pacific Bldg., 913 Franklin Ave., plans by Hedrick & Gottlieb, Post Dispatch Bldg., 2 story, basement, Washington St. $3,500,000.

Tex., Laredo—OFFICE—Adams & Adams, archts., Real Estate Bldg., San Antonio, soon take bids 5 story, basement, 55 x 110 ft., brick, concrete, stone, for A. M. Bruni. $150,000.

Tex., Marlin — HOTEL — Owner, c/o Chamber of Commerce, sketches 7 story, brick, stone, rein.-con. hotel. $400,000.

Tex., Port Arthur—HOTEL—F. Goodhue, Goodhue Bldg., Beaumont, plans by Tisdale, Stone & Pinson, 1103 Goodhue Bldg., Beaumont, 10 story, basement, 75 x 140 ft., brick, steel, stone hotel, rein.-con. piling contract, to Spence & Howe, 416-5th St., Beaumont, concrete work, to Sneed Constr. Co., 1017 Goodhue Bldg., Beaumont. Est. $550,000. Noted May 24.

Tex., San Antonio—BANK and OFFICE—Groos National Bank, c/o F. Groos, pres., Commerce and Navarro Sts., bids late in summer, 10 story, basement, 68 x 86 ft., rein.-con., brick, plain found., Commerce and Navarro Sts. $350,000. H. T. Phelps, c/o Hicks Bldg., archt. Noted Sept. 22.

Tex., Sherman — HOME — J. Tullock, archt., 213 M. & P. Bank Bldg., soon takes bids Home for Aged, for Woodman Circle Assn., c/o Secretary. $250,000. Noted Apr. 5.

Tex., Waco—CITY HALL—City, E. E. McAdams, mgr., soon takes bids city hall. $225,000. Noted June 28.

Okla., Duncan—HOTEL—Southland Hotel Co., J. W. Winfrey, mgr., Duncan, sketches 4 story, basement, 100 x 140 ft., rein.-con., brick, plain found., 7th St. $200,000. Engineer and architect not selected.

Okla., Oklahoma City—THEATRE—G. A. Nichols, 10 North Harvey St., sketches 2 story, basement, rein.-con. brick, plain found., 13th St. $150,000. Engineer and architect not selected.

Okla., Oklahoma City—OFFICE—Baptist Church, J. B. Rounds, pastor, 223½ West 1st St., sketches 6 story, basement, rein.-con., brick, plain found., 5th St. $300,000.

Wash., Seattle—APARTMENT—Gardner Gwinn, Inc., Hoge Bldg., 3 story, basement, brick, steel, terra cotta apartment, 26 car garage, 1605 Olive Way. $155,000.

Ore., Salem—HOTEL—H. F. Patton bids in fall, rein.-con., timber, plain found., Capitol Sq. $350,000. Knighton & Howell, U. S. Natl. Bank Bldg., Portland, archts. W. M. Dean, San Francisco, Calif., lessee.

Calif., Beverly Hills — BANK and OFFICES — California Bank, plans by J. B. Parkinson, Title Insurance Bldg., Los Angeles, 2 and 3 story, 100 x 300 ft., rein.-con., steel. $500,000.

Calif., Burbank — RECORDING — First National Studios, rein.-con., Dark Canyon Rd. $150,000 or more. Private plans.

Calif., Fresno—LODGE—Fresno Lodge 186, I.O.O.F. plans by Kump & Johnson, Rowell Bldg., 5 story, basement, fireproof Merced St. and Bway. $160,000. Noted Jan. 6, 1927.

Calif., Los Angeles—APARTMENT—Associated Owners Income Properties, Inc., 6733 Hollywood Blvd., sketches by J. A. Grey, 1537 North McCadden Pl., main portion 2 and 3 story, brick, steel, incl. 6 story tower, garage, Hayworth Ave. near Sunset Blvd. To exceed $150,000.

Jonstr. News page 78

Buildings—Commercial (Continued)

Calif., Los Angeles — APARTMENT — Owner, c/o L. L. Jones, archt., 2504 West 7th St., 7 story, basement, rein.-con., Virgil St. To exceed $150,000.

Calif., Los Angeles—BANK and OFFICE—Brain & Keeler, c/o Taylor & Taylor, archts., 810 West 6th St., 1 story, basement, 120 x 180 ft., brick, Reed and Washington Sts.

Calif., Los Angeles—FURNITURE SALES and WAREHOUSE— W. M. Gottschalk, c/o Norton & Wallis, archts., Financial Center Bldg., 4 story, 50 x 140 ft., brick, Santee St.

Calif., Los Angeles — HOSPITAL—Kaspare Cohn Hospital plans by C. Beelman, Union Bank Bldg., 8 story, basement, 250 bed capacity, structural steel, rein.-con., Fountain Ave. $1,500,000. Noted Mar. 8.

Calif., Los Angeles—HOTEL and THEATRE—N. Williams, c/o A. G. Bailey, archt., Hill street Bldg., 6 story, basement, 75 x 115 ft., rein.-con., steel, Pacific Blvd. $250,000.

Calif., Los Angeles—OFFICE—Southern California Edison Co., 306 West 3rd St., plans by Allison & Allison, Hibernian Bldg., 13 story, basement, sub-basement, 175 x 175., rein.-con., steel, stone, terra cotta, 5th St., and Grand Ave.

Calif., Murrieta—HOTEL, etc.—Mission Hot Springs, Inc., represented by R. Rosenberg, 527 Roosevelt Bldg., Los Angeles, 5 story, Class "A" hotel, garage and cottages. $150,000 or more.

Calif., San Diego — THEATRE and STORE—Gildred Bros. plans by Weeks & Day, Financial Center Bldg., San Francisco, steel, concrete, A, D, 7th and 8th Sts. $750,000.

Calif., San Francisco — TERMINAL—Western Pacific R.R. Co., J. D. Williams, ch. engr., Mills Bldg., railroad terminal, Islais Creek Dist. To exceed $500,000.

Ont., Toronto—DEPARTMENT STORE—I. Eaton Co. Ltd., 190 Yonge St., 7 story, basement, sub-basement, 206 x 246 ft., steel and stone, 460,000 sq.ft. floor space, Yonge and College Sts.

Ont., Windsor — OFFICE — Metropolitan Building Co., c/o Pennington & Boyd, archts., Security Bldg., 10 story, basement, brick, rein.-con., steel, plain found., London St. and Victoria Ave.

B. C., Point Gray—ARMORIES—Syndicate, c/o R. T. Perry, archt., 427 Standard Bank Bldg., sketches brick, steel, armories and drill hall, plain found., 41st Ave. and Maple St. $300,000.

Bids Desired

Mass., Boston—APARTMENTS—Esplanade Realty Trust, D. and S. Stern, 295 Washington St., taking bids general contract six 5 story, basement, 55 x 105 ft., brick, stone, plain founds., Pinkney St. $2,500,000. Hutchins & French, 11 Beacon St., archts. Noted Mar. 15.

Mass., Fall River—STORE and OFFICE—Aug. 16 (extended date), by Burke Inc., T. F. Burke, 46 North Main St., and D. Shapiro, Globe Bldg., North Main St., archt., 4 story, basement, brick, plain found., North Main and Granite Sts. $150,000. Noted July 19.

Mass., Gardner—COURT HOUSE, etc.—Aug. 20 by City, c/o G. C. Sweeney, 2 story, basement, brick and steel courthouse and police station, Pleasant St. $150,000 Haynes & Mason, 280 Main St., Fitchburg, archts.

Mass., Marlboro—BANK—Marlboro Savings Bank, C. F. Robinson, pres., 32 Mechanic St., taking bids altering and constructing 2 story, basement, brick, steel, rein.-con., stone addition, plain found., Mechanic St. $150,000. T. M. James Co., 3 Park St., Boston, archt.

Mass., Medford (br. Boston)—APARTMENT—See "Contracts Awarded."

Mass., Quincy (Ind. br. Boston) — APARTMENTS — W. G. Shaw, 44 Butler Road, taking bids 3 story, basement, 60 x 110 ft., brick, stone, plain found, Butler Road. $150,000. E. J. Batty, Inc., 13 Temple St., archt.

Mass., Somerville (br. Boston)—HOSPITAL—Aug. 16 by Trustees Somerville Hospital, F. J. Dreyer, chn. building comn., and Stevens & Lee, archts., 45 Newbury St., Boston, (1st Unit), 4 story, basement, brick, rein.-con., plain found., Crocker St. $160,000. Noted May 10.

Conn., New Haven—WARD—New Haven Hospital, 330 Cedar St., plans by H. C. Pelton, 415 Lexington Ave., New York and takes bids about Sept. 15, ward building. $500,000. Long & Noska, 420 Lexington Ave., New York, engrs. Noted July 19.

R. I., Woonsocket—CITY HALL—Aug. 14 by City, P. Building Dpt., altering and constructing 3 story, 75 x 100 ft., brick, steel and stone, addition, Main St., $150,000. O. H. Drouin, Monument Sq., archt. Noted Aug. 2.

N. Y., Brooklyn — APARTMENT — See "Contracts Awarded."

N. Y., Brooklyn — STADIUM and STORE—Bedford Gardens, Inc., K. Periware, pres., 913 45th St., taking sub-bids 4 story, 231x756 ft., stadium and store, Bedford Ave. and Beverly Rd. $750,000.

N. Y., Elmira—OFFICE and STORE—Blackmore-Danzig Co., 107 East Water St., taking bids general contract office and store building, Water and Main Sts. $150,000. R. D. Kohn, 56 West 45th St., New York, archt.

N. Y., Jackson Heights (Sta. Flushing)—APARTMENT—Laurel-Manhattan Co., 3451—89th St., taking bids separate contracts 88 x 100 ft. apartment, 93rd St. and Northern Blvd. $250,000. B. Driesler, Jr., 153 Remsen St., Brooklyn, archt. Noted July 19.

N. Y., Jamaica — AMUSEMENT — See "Contracts Awarded."

N. Y., Long Island City—APARTMENT—S. Maggio, 10-87 Van Alst St., taking bids general contract 4 story, 88 x 164 ft., brick, timber, Crescent St. and Bway. $165,000. A. L. Lukowsky, 28-13 Newtown Ave., archt. Noted July 19.

N. Y., New York—APARTMENT—See "Contracts Awarded."

N. Y., New York—APARTMENT—See "Contracts Awarded."

N. Y., New York—STORE and OFFICE—Charking Corp., S. M. Barner, pres., 305 5th Ave., taking sub-bids 21 story store and office, 30 East 53d St., $500,000. R. T. Lyons, 40 East 49th St., engr.

N. Y., Ogdensburg — HOSPITAL — Aug. 22, by Dpt. Mental Hygiene, Capitol, Albany, reception hospital, heating, sanitary and electrical work, at St. Lawrence State Hospital; adv. E. N.-R., Aug. 9. Noted July 12.

N. Y., Tarrytown—APARTMENT—Margon & Holder, archts., 29 West 57th St., New York, taking bids on separate contracts 6 story apartment, White Plains Rd. and Bway., for Mt. Pleasant Realty Co., S. Slifkin, pres., 50 Cottage Pl. $1,000,000.

N. J., Belleville — APARTMENT — See "Contracts Awarded."

N. J., Bogota—APARTMENT—See "Contracts Awarded."

N. J., Fairview—STORE and APARTMENT—See "Contracts Awarded."

N. J., Fort Lee—BORO HALL—Aug. 15, by Bd. Boro Council, Main St., 3 story, basement, 75 x 102 ft., brick, steel, plain found., Center and Main Sts., $250,000. Noted Apr. 19.

N. J., Jersey City — APARTMENT and STORE — See "Contracts Awarded."

N. J., Jersey City—APARTMENT—See "Contract Awarded."

N. J., Newark — APARTMENT — See "Contracts Awarded."

N. J., Newark—ARMORY—Aug. 30, by Institutions & Agencies, W. J. Ellis, comr., Trenton, L. shaped armory, $150,000. C. N. Leathem, State Building, Trenton, archt.

N. J., Orange — APARTMENT — See "Contracts Awarded."

N. J., Passaic—COMMERCIAL—B. Billary, archt., 625 Main Ave., taking new sub-bids 3 story, basement, 50 x 100 ft., brick, steel, plain found., 267-69 Passaic St., for M. E. Lindenstruth, 267 Passaic St. $150,000. Noted July 12.

N. J., Perth Amboy — BANK and OFFICE — J. N. Pierson & Son, archts., 198 Jefferson St., taking bids altering 3 story, basement, 30 x 100 ft., brick, steel, addition, plain found., Smith and Hobart Sts., for Perth Amboy Trust Co., 147 Smith St. $150,000. Noted Aug. 2.

N. J., Westfield — STORE — Owner c/o J. Anderson, archt., 251 North Broad St., Elizabeth, bids about Aug. 5, 2 story, basement, 100 x 160 ft., brick, steel, plain found., 260 East Broad St., $150,000. Noted Aug. 2

N. J., West Caldwell (mail Caldwell)—SANITARIUM—E. H. Fougner, archt., 197 Market St., Newark, taking bids 3 story, basement, brick, steel, plain found., Mountain Ave., for The Theresa Grotto Aid for convalescents, c/o archt. $150,000.

N. J., West New York—APARTMENT—Park Avenue Holding Corp., 608 Park Ave., taking bids on separate contracts 5 story, basement, brick, steel, plain found., Hudson County Blvd. $150,000. G. B. McIntyre, 608 Park Ave., archt.

Md., Crisfield—HOTEL—Aug. 8, by J. O. Blair, archt., 330 St. Paul St., 6 story, basement, 90 x 130 ft., brick, cast stone, concrete for Crisfield Hotel.

Ga., Atlanta—OFFICE—Sept. 15 by Pringle & Smith, archts., Norris Bldg., 20 story, basement, rein.-con., brick, steel, plain found., Peachtree Rd., James and Forsyth Sts., for Rhodes-Haverty Co., $650,000. Noted May 17.

O., Cincinnati—OFFICE—Union Gas & Electric Co., 4th and Plum Sts., bids about Aug. 10, 14 story office building, 4th and Main Sts. $650,000. Garber & Woodward, 4 West 7th St., archts. J. R. Pope, 542 5th Ave., New York, consult., archt. Fosdick & Hilmer, 1708 Ingals Bldg., engr.

O., Columbus—LIBERAL ARTS—Aug. 14, by Bd. Trustees, C. E. Steeb, secy., Ohio State University, 3 story, basement, 180 x 200 ft., brick, stone, concrete, addition, campus, $370,000. Noted July 12.

Mich., Eloise—HOSPITAL—Aug. 14, by H. H. Prenzlaner, secy. Wayne Co. Poor Bd., City Service Bldg., Detroit, 3 story, basement, rein.-con., brick, steel, plain found., Michigan Ave. $500,000. Maul & Lentz, 1259 David Whitney Bldg., Detroit, archts. Noted Apr. 12.

Ill., Chicago—GYMNASIUM—Armstrong, Furst & Tihon, archts., 127 North Dearborn St., bids about Aug. 17, brick, stone, gymnasium, incl. 25 x 60 ft. swimming pool Kenwood Ave. and 59th St. for University of Chicago, 189 West Madison St., $400,000.

Ill., Chicago — OFFICE and STORE — Aug. 13, by Holabird & Root, associated archts., 333 North Michigan Ave., 25 story, basement, 60 x 100 ft., brick, steel, stone, caisson found., 125-135 West Wacker Dr., for J. M. Patterson, 431 North Michigan Ave. $2,000,000. A. N. Rebori, 332 South Michigan Ave., arch. Noted July 5.

Ill., Chicago—SOCIAL SCIENCE—Coolidge & Hodgdon, archts., 134 South La Salle St., soon takes bids 4 story, brick, stone, 59th St. and Ellis Ave., for University of Chicago, 189 West Madison St., $687,000.

Ill., Granite City—CITY HALL—N. S. Spencer & Son, archts., 180 North Michigan Ave., Chicago, bids about Aug. 21, 3 story, brick, stone, for City. $150,000. Noted July 5.

Wis., Milwaukee—GARAGE and STORE—Aug. 13, by M. Tullgren & Sons Co., archts., 9 Waverly Pl., 6 story, basement, 100 x 120 ft., rein.-con., brick, plain found., East Water and Mason Sts., for First Wisconsin Natl. Bank.

Tex., Texas City—WAREHOUSE—Texas City Terminal Co., bids about Aug. 15, superstructure 2 story, 120 x 1160 ft., reinforced steel, corrugated iron, concrete warehouse. $175,000. J. Stewart & Co., Inc., 343 South Dearborn St., Chicago, Ill., engrs.

Okla., Mangum — HOTEL — Aug. 20, by W. J. Jeter, 5 story, basement, 75 x 140 ft., 3rd St., for Mangum Hotel Co. Former bids rejected. $150,000. Layton, Hicks & Forsythe, Braniff Bldg., Oklahoma City, engrs. C. Riggins, Anadarko, engr. Noted June 28.

Wash., Seattle—HOTEL—T. Haire, archt., 533 Henry Bldg., bids about Aug. 23, 10 story, basement, 120 x 128 ft., rein.-con., brick, steel, Boren and Seneca Sts., for One Thousand One Hundred Seven Seneca Corp., 1107 Seneca St. $750,000.

Calif., Los Angeles—BANK and OFFICE—A. Curlett, archt., Union Bank Bldg., taking bids 12 story, basement, 42 x 90 ft., rein.-con., terra cotta, Vine St. and Hollywood Blvd., for S. Kress, et al., c/o architect.

Calif., Sacramento—CLUB—Sutter Club, L. C. Hunter, pres., bids about Sept. 15, 5 story, basement, 100 x 100 ft. rein.-con., terra cotta, marble, 9th and M Sts. $300,000. Dean & Dean, and Starks & Flanders, California Life Bldg., archts.

Calif., San Francisco—HOTEL—See "Contracts Awarded."

Ont., Toronto—CUSTOMS HOUSE—Dpt. P. Wks., Ottawa, take 5 bids in September, 5 story, basement, 238 x 389 ft., rein.-con., stone, steel, plain found., Front St., $2,000. Noted July 19.

Contracts Awarded

Mass., Attleboro—STORE and OFFICE—Eagles Home Building Assn., J. McCabe, chn., 45 4th St., 2 story, basement, 80 x 150 ft., brick, steel, granite, plain found., store, office and auditorium, Bank St., to J. F. Enwright, 245 Milk St., Fitchburg. Est. $150,000.

Constr. News page 79

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Buildings—Commercial (Continued)

Mass., Boston—STORE and OFFICE—A. Lapp, 27 State St., 5 story, basement, brick, limestone, plain found., to N. Hurowitz, 294 Washington St. Est. $150,000. Noted July 26.

Mass., Cambridge (br. Boston)—HOSPITAL—Kendall, Taylor & Co., archts., 142 Berkley St., Boston, 3 and 4 story, basement, irregular sized, brick, plain founds., nurses home, childrens building and private ward building to L. P. Soule & Son Constr. Co., 80 Boylston St., Boston, est. $650,000. Noted July 5.

Mass., Cambridge (br. Boston)—WAREHOUSE—Boston & Maine R.R. Co., Lechmere Sq., 5 story, 50 x 100 ft., rein.-con., steel, to Blome-Sinek & Co., 33 South Clark St., Chicago, Ill.

Mass., Medford (br. Boston)——APARTMENT—P. J. Griffin, 42 Metcalf St., 3 story, basement, irregular sized, brick, stone, plain found., Metcalf St., separate contracts. Private plans.

Conn., Greenwich—THEATER — Lincoln Theatrical Enterprise, Inc., 972 Broad St., Newark, N. J., brick and steel, theatre, Boston Post Rd., to W. J. MacEvoy Constr. Co., 111 Academy St., Newark, N. J. Est. $2,000,000. Noted July 26.

N. Y., Beacon—BANK—Uffinger, Foster & Brookwalter, archts., 211 West 57th St., New York, general contract bank, to J. Lynch, Beacon. Est. $150,000. Noted June 7.

N. Y., Brooklyn—APARTMENT—Carlby Constr. Co., B. H. Sabin, pres., 1122-79th St., 6 story, 50 x 90 ft., brick, timber, 93rd St. and Marine Ave., separate contracts. $150,000. A. Goldberg, 164 Montague Ave., archt.

N. Y., Brooklyn—APARTMENT—Sampson Building Corp., M. Sidran, pres., 1551 Ryder St., 6 story, 75 x 138 ft., brick, timber, Cedar Ave. and Avenue J, separate contracts. $175,000. Prober & Blaufeux, 66 Court St., archts.

N. Y., Glens Falls—OFFICE—Glens Falls Insurance Co., B. W. West, pres., 191 Glen St., 3 story, brick, Bay St., to J. J. Turner & Sons, Edward St., Amsterdam. Est. $500,000. Noted July 12.

N. Y., Jamaica — AMUSEMENT — Van Arch Holding Co., 133-25 Rockaway Blvd., 1 story, 123 x 190 ft. amusement building, Archer Pl. and 144th St., separate contracts. $150,000. J. M. Baker, 9 Jackson Ave., archt.

N. Y., Jamaica — COMMUNITY — D. Levy, archt., 110 E. 42nd St., New York, 4 story community center to Caye Constr. Co., 356 Fulton Ave., Brooklyn, for Jamaica Jewish Center, c/o B. Marvin, Amherst and Flushing Aves. $250,000. Noted June 21.

N. Y., New York—APARTMENT—One Hundred Forty Nine E. 47th St. Corp., 734 Lexington Ave., T. Crimmins, pres., 15 story to G. Richard Davis & Co., 10 E. 41st St. $2,600,000.

N. Y., New York—APARTMENT—Rosan Building Corp., J. Shanski, pres., 379 East 166th St., 6 story, 150 x 308 ft., brick, timber, Riverdale and 230th Sts., separate contracts. $800,000. Franklin, Bates & Heindsman, 2526 Webster Ave., archts.

N. J., Belleville—APARTMENT—J. M. King, 28 Malone Ave., 5 story, basement, 90 x 100 ft., brick, steel, plain found., Tappen St. and Floyd Ave., separate contracts. $220,000. Noted May 3.

N. J., Belleville (br. Newark) — HOSPITAL, LAUNDRY and POWER HOUSE—Bd. Freeholders Essex Co., Hall of Records Bldg., general contract 3 story, basement, brick, steel emergency hospital, to F. & C. Haerter, 769 Dewey Ave., West New York, $31,390, altering and addition to power house and laundry building, to Hoppe & Schroeder, 1009 18th Ave., Newark, $29,103; heating to F. P. Farrell, 269 Camden St., Newark, $37,941; plumbing and laundry machinery, to S. F. Wilson, 476 Clinton Ave., Newark, $33,534 and $36,993 respectively. Grand total $139,858. Noted Mar. 22.

N. J., Bogota — APARTMENT — J. De Stefano, 1445 Teaneck Rd., West Englewood, 5 story, basement, 100 x 100 ft., brick, steel, plain found., separate contracts. $150,000. Noted Aug. 2.

N. J., Fairview — STORE and APARTMENT—M. G. Constr. Co., 44 Onchest Terrace, Cliffside, 5 story, basement, 50 x 100 ft., brick, steel, plain found., Morningside Ave. and 9th St., separate contracts. $150,000. Noted Aug. 2.

N. J., Jersey City—APARTMENT and STORE—B and B Constr. Co., Inc., 80 West 24th St., Bayonne, 4 story, basement, 85 x 100 ft., brick, steel, plain found., 124-30 Storms St. $150,000. Separate contracts. M. Kraut, 3010 Hudson County Blvd., archt.

N. J., Jersey City—APARTMENT—Alvin Development Corp., Tiebe Concourse Bldg., 5 story, basement, 100 x 100 ft., brick, steel, plain found. Blvd. and Stevens Ave., seperate contracts. $150,000. Noted Aug. 2.

N. J., Jersey City—APARTMENT—J. Schniper, 79 West 45th St., Bayonne, 4 story, basement, 75 x 120 ft., brick, steel, plain found. 211-13, Arlington Ave., separate contracts. $150,000. Noted July 19.

N. J., Newark—APARTMENT—J. D. Steffano, 535 34th St., Union City, 4 story, basement, 84 x 104 ft., brick, steel, plain found., 493-9 Roselle Ave., separate contracts. $150,000. Noted Aug. 2.

N. J., Orange — APARTMENT — Towne Holding Co., 24 Branford Pl., Newark, 5 story, basement, 50 x 120 ft., brick, steel, plain found., South Center St., separate contracts. $150,000.

N. J., Trenton—OFFICE—State House Comn., general contract 4 story, basement, 200 x 250 ft., steel, concrete, granite, Indiana limestone, to Karno-Smith Co., Broad St. Bank Bldg., $758,910; heating and plumbing, to Trenton Plumbing & Heating Co., 366 South Broad St., $48,848 and $23,484 respectively; electrical work, to Hoffman & Elias, 254 West 31st St., New York, $29,400. Grand total $860,642. Noted Aug. 2.

Md., Baltimore — THEATRE — Fidelity Amusement Co., c/o E. M. Davidove, Equitable Bldg., 1 story, basement, 61 x 157 ft., brick, steel, Gilmore St., to H. W. Podolsky, 217 North Calvert St., $150,000. Noted July 26.

Tenn., Memphis—APARTMENT—W. E. Graves, 988 Peabody St., 3 story, 144 x 294 ft., U shaped, to W. C. Owen, Dermon Bldg., $175,000.

O., Lakewood (br. Cleveland)—APARTMENT—B. Miller, 2009 Riverside Rd., 3 story, basement, 85 x 135 ft., brick, timber, 17539 Madison Ave., to M. Gillen, 3557 East 161st St., Cleveland. Est. $150,000.

Ind., East Chicago—DOCK TERMINAL—U. S. Gypsum Co., 300 West Monroe St., Chicago, Ill., dock terminal to Turner Constr. Co., Graybar Bldg., New York. Est. $4,500,000.

Mich., Detroit — HOTEL, OFFICE and GARAGE—Detroit Biltmore Hotel Co., Hotel Tuller, 35 story hotel, 18 story office, 600 car garage and 300 car bus terminal, all concrete, steel, stone, caisson founds., Grand Circus Park, to Walbridge Aldinger Co., Penobscot Bldg., and Otto Misch Co., 159 East Columbia Ave. Total $25,000,000.

Mich., Detroit—WAREHOUSE—Bromley Properties, Inc., 6531 Russell St., 3 story, basement, 190 x 222 ft., rein.-con., brick, plain found., to R. S. Knapp, Idaho and Fenkell Aves. Est. $225,000. Beecher, Peck & Lewis, lessees.

Ill., Chicago — APARTMENT—Huszagh & Hill, archts., 6 North Michigan Ave., general contract 15 story, basement, 50 x 100 ft., Harper Ave. and 54th St., to Friedman Constr. Co., 105 North Clark St., for Syndicate, c/o contractor.

Ill., Chicago—HOSPITAL—E. H. Levin, 134 North La Salle St., general contract 11 story, basement, 208 x 268 ft., rein.-con., brick, stone, 2951-69 North Clark St., to Callner Constr. Co., 134 North La Salle St. Est. $1,300,000.

Wis., Horicon—WAREHOUSE, FORGE SHOP and ELEVATOR SHAFT — Van Brunt Mfg. Co., 3 story, 96 x 124 ft. brick, timber warehouse, 1 story, 45 x 147 ft., brick, concrete forge shop, 3 story, 20 x 40 ft., brick, timber elevator shaft, to Immell Constr. Co., Fond du Lac.

Wis., Kenosha — CLUB HOUSE — J. M. Hermann, secy. Kenosha Aerie 1055 F. O. E. and Lindi & Schutte, Inc., archts., 82 East Wisconsin Ave., Milwaukee, 2 story, basement, 100 x 102 ft., brick, steel addition, to Ludwig Klemm, 7203 22nd Aves. Noted May 31.

Wis., Menasha—THEATRE—H. D. Werwath, Inc., archts., 1535 Oakland Ave., Milwaukee, 2 story, basement, 67 x 118 ft. theatre, to J. Rezoh, Green Bay, for Owner, c/o J. M. Cobe, 629 Farwell Ave., Milwaukee. Noted July 5.

Minn., Minneapolis—HOSPITAL—State Bd. Administration & Finance, St. Paul, general contract 4 and 5 story, rein.-con., brick, Bedford stone, to E. Bjorkland, 914 Builders Exch. Bldg., St. Paul, $531,624. Noted July 12.

Minn., St. Cloud—WAREHOUSE and SALES—International Harvester Co. of America, L. H. Hinz, mgr., 606 South Michigan Ave., Chicago, Ill., general contract 2 story, basement, rein.-con., brick, Bedford stone, St. Germain St., to A. G. Wahl, St. Cloud. Est. $150,000. Noted July 19.

Kan., Lawrence—HOSPITAL—Memorial Hospital c/o E. M. Watkins, 1500 Louisiana St., general contract 3 story, basement, 37 x 135 ft., rein.-con., brick, stone, to M. J. Green, Manhattan $156,000. Noted May 4.

Neb., Omaha—OFFICE—Baker Estate, c/o Martin Bros., 512 1st Natl. Bank Bldg., 7 story, basement, 66 x 132 ft., rein.-con., brick, stone, to P. Kiewits Sons, 908 Omaha Natl. Bank Bldg. Est. $500,000. Noted June 14.

N. D., Minot—BANK and OFFICE—First National Bank, general contract 4 story, basement, 50 x 147 ft., rein.-con., brick, granite, Kasota stone, to Phelps-Drake Co., 623 Metropolitan Life Bldg., Minneapolis, Minn. Est. $250,000. Noted July 19.

Mo., St. Louis—APARTMENT—C. Anschuetz, 3503 Sidney St., 10 story, basement, 117 x 250 ft., rein.-con., brick, stone, terra cotta, Grand Blvd. near Magnolia St. to Boaz-Kiel Constr. Co., Ambassador Theatre Bldg. Est. $1,000,000.

Mo., St. Louis—GARAGE—Ferro Realty Co., 3rd and Elm Sts., Cincinnati, O., 8 story, basement, 109 x 130 ft., rein-con., 9th and Chestnut Sts., to Ferro Concrete Constr., 3rd and Elm Sts., Cincinnati, O. Noted June 28.

Mo., St. Louis—GARAGE—Big Four Auto Co., 2218 South Jefferson Ave., general contract, 3 story, basement, 90 x 120 ft., rein-con., brick, terra cotta, 2400 South Jefferson Ave., to A. S. Gimlin Contg. Co., 4921 Washington Ave., Est. $150,000.

Mo., St. Louis — STORE, OFFICE and LODGE—Grand Court Order of Clanthe of Missouri, c/o C. H. Wray, archt., Rialto Bldg., 4 story, basement, rein.-con., brick, stone, terra cotta, Finney Ave. and Sarah St., to A. G. Nolan, c/o site. Est. $300,000.

Tex., Port Arthur—HOTEL—See "Proposed Work."

Ark., Little Rock—JAIL—Pulaski Co., c/o C. P. Newton, judge, 4 and 5 story, basement, 85 x 51 ft., rein.-con., brick, stone, to G. Walker, Capitol Hill Apartments. $158,755. Noted Jan. 26.

Okla., Oklahoma City—OFFICE—F. P. Johnson, c/o Amer. Natl. Bank Bldg., 7 story, 75 x 140 ft., rein.-con. brick top addition, to Campbell-Price, 603½ West Main St., $300,000. Noted Jan. 12.

Okla., Tulsa—STORE and APARTMENT—J. E. Duffy, 1131 East 21st Plain found., 7th and Main Sts., to Smith, Hayden & Reed, Tulsa. Est. $200,000.

Nev., Ely—HOTEL—Nevada Hotel Co., O. Uphall, mgr., 6 story, rein.-con., to H. L. Stevens & Co., 433 California St., San Francisco, Calif., $150,000 or more. Noted Sept. 29.

Calif., Berkeley — APARTMENT — W. Herrod, c/o W. H. Weeks, archt., Hunter-Dulin Bldg., San Francisco, 4 story, basement, brick, Dwight Way, to J. A. Bryant, 185 Stevenson St., San Francisco, $154,400. Noted Apr. 12.

Calif., Colusa — MAUSOLEUM — Colusa Rural Mausoleum Assn., rein.-con., mission type mausoleum containing 500 crypts, to C. Bryan, Colusa, $150,000.

Calif., Los Angeles—APARTMENT—Ray Investment Co., c/o contractor, part 4 and 5 story, 75 x 140 ft., concrete to W. Allen, 917 Pacific National Bank Bldg., $160,000.

Calif., Los Angeles — DEPARTMENT STORE—Bullocks Dept. Store, 2 story, basement, 150 x 300 ft., brick, concrete, to P. J. Walker Co., W. M. Garland Bldg., $600,000. Noted May 17.

Calif., Los Angeles—STORE — Chapman Bros., 3469 West 6th St., 1 and 2 story, 210 x 310 ft., concrete, 6th St., to S. N. Benjamin, 718 East 16th St., $155,000. Noted Mar. 8.

Calif., Pasadena — APARTMENTS — C. Robinson, two 3 story, basement, stucco, timber, Fremont St., to D. J. Reed, 1489 West Washington St., $150,000.

Calif., Placerville—HIGH SCHOOL—El Dorado Co. High School Dist., 2 story, brick, concrete, to H. Finnigan, 17th St., Sacramento, $144,648.

Calif., San Francisco — HOTEL — Denk, Bowes & Bell Bros., 1317 Hyde St., 6 story, basement, steel, concrete, Hyde St. near Eddy St., day labor. $150,000.

Ont., Brockville — HOTEL — Brockville Hotel Co. Ltd., general contract 6 story, basement, 100 x 107 ft., rein.-con., brick, steel, plain found., King St. E., to C. Holbrook & Sons, 408 Elgin St., Ottawa. Est. $350,000.

Constr. News page 80

Buildings—Industrial

Proposed Work

Mass., Quincy—FACTORY—L. Grossman & Sons, 130 Grant St., rebuilding 2 story, brick, timber, Granite St., recently destroyed by fire. $40,000. Engineer and architect not selected.

Mass., Wareham—CANNING FACTORY — A. D. Makepeace & Co., Main St., sketches by J. W. Beal Sons Co., 185 Devonshire St., Boston, altering and constructing 1 story, brick addition, plain found., Main St., $40,000.

Conn., Norwich—PLANT—American Thermos Bottle Co., Laurel Hill Ave., soon lets contract brick, steel plant, Laurel Hill Ave. $125,000 Chandler & Palmer, Thayer Bldg., archts. Noted July 26.

N. Y, Brooklyn—SERVICE GARAGE—Rygold Realty Corp., H. Strolowitz, pres., 165 Norfolk St., plans by A. J. Simberg, 1133 Bway., 1 story, 100 x 190 ft., brick, concrete, Banner Ave. and Hubbard St. $80,000.

N. Y., Long Island City—MACARONI PLANT—La Rose & Sons, 9 Wyckoff Ave., Brooklyn, plans by H. J. Munch, 44 Court St., Brooklyn, 6 story, 88 x 158 ft. macaroni manufacturing plant, Cypress Ave. and Trautman St. $275,000.

N. Y., Long Island City—SERVICE GARAGE and SHOW ROOM—Tindall & Lewis, 192 46th St., plans by A. L. Marinelli, 192 46th St., 2 story, 125 x 189 ft., brick, concrete, Sanford Ave. and Haight St. $45,000.

N. Y., New York—GARAGE—L. Held & Son, 810 East 168th St., plans by H. Ginsberg, 222 East 42nd St., 1 story, 57 x 203 ft., brick, concrete, Whitlock and Lowell Sts. $40,000.

N. Y., New York—SERVICE GARAGE—Honora Building Corp., I. D. Mahlman, pres., 1 Union Sq., plans by F. Wolfgong, 535 Tremont Ave., 2 story, 90 x 100 ft., brick, concrete, Waring Ave. and White Plains Rd. $60,000.

N. Y., New York—STORAGE and LOFT—Sofia Bros., Inc., T. Sofia, pres., 1221 Intervale Ave., plans by Lewis & Leonard, 51 East 42nd St., 73 x 99 ft., brick, 4396 Bway. $100,000.

N. Y., Niagara Falls—INDUSTRIAL—S. S. Kresge, Kresge Bldg., Detroit, Mich., plans by H. Holmes, archt. c/o owner, industrial building.

N. J., Newark—GARAGE—Clinton St. Garage, Inc., c/o G. Jones, archt., 24 Commerce St., sketches 6 story, basement, 55 x 120 ft., rein.-con., brick, steel, plain found., 65 Clinton St. $150,000.

N. J., Newark—WAREHOUSE—General Tube Co., c/o S. Cohen, archt., 134 Branford Pl., sketches 4 story, basement, brick, steel, plain found. $150,000.

Pa., Phila. — PACKING PLANT — F. G. Vogt & Sons, 30th and Race Sts., sketches by C. B. Comstock, 110 West 4th St., New York, 3 and 4 story packing plant, 36th St. and Grays Ferry Rd. $150,000.

Pa., Phila. — POWER HOUSE — Philadelphia Heating Corp., E. H. Reuss, Jr., pres., 30th and Race Sts., power house, 10,000 hp., 32nd and Market Sts. P. H. Johnson, Weidener Bldg., engr.

N. C., Albemarle—LUMBER PLANT—Stanly Lumber Co., c/o C. C. Morton, D. J. Hatley and others, purchased plant of E. E. Snuggs lumber plant, plans enlarging same. $50,000.

N. C., Burnsville — PLANT—Pollard Cyanite Co., J. A. Pollard, mgr., plans new plant 1,000 tons of rock per day near here. $1,000,000.

N. C., Charlotte — MILL — Hudson Silk Hosiery Co., mill. $60,000.

N. C., Durham—WAREHOUSE—Owner, c/o H. T. Roycroft, Durham, large tobacco warehouse.

N. C., Greensboro—SILK THROWING MILL—Meyer & Grobart, Paterson, N. J., plans by H. Barton, Greensboro, silk throwing mill, Oakland Ave. and Bruce St. $140,000. Richardson Realty Co., Inc., Greensboro, interested.

N. C., High Point—HOSIERY PLANT—Triangle Hosiery Co., hosiery manufacturing plant, $125,000. W. C. and E. H. Covington, High Point, are interested.

N. C., Rocky Mount—POWER PLANT—City soon lets contract enlarging power plant. W. C. Olsen & Co., Raleigh Building & Loan Bldg., Raleigh, engr.

O., Cleveland — FURNACE BUILDING and BOILER HOUSE — Otis Steel Co., c/o J. D. Campbell, 3341 Jenings Rd., 43 x 190 ft. furnace, 36 x 40 ft. boiler house, both 1 story, structural steel, corrugated iron, 3341 Clark Ave. $50,000. Private plans.

O., Shelby—LIGHT PLANT—City, plans new generator equipment, addition to cipal light plant. $50,000.

Ind., Anderson—GAS HOLDER—Central Indiana Gas Co., H. W. Thornburg, mgr., new 200,000 ft. gas holder, plant improvements, South Pearl St. and Belt R.R. $250,000.

Ind., Summitville — FACTORY — Kraft Cheese Co., cheese factory.

Mich., Detroit—FACTORY and BOILER HOUSE—C. W. Brandt, archt., 2111 Woodward Ave., soon lets contract 1 and 2 story, 115 x 200 ft., brick, concrete, Hamilton Ave., for Detroit Casket Co., c/o architect. $50,000.

Mich., Flint—BODY FACTORY—Fisher Body Corp. plans by A. Kahn, 1000 Marquette Bldg., Detroit, 2 story, 200 x 242 ft., rein.-con., brick addition, plain found.

Mich., Pontiac — FOUNDRY — Pontiac Pattern & Eng. Co., plans by R. O. Derrick, 707 Pontiac Bank Bldg., 1 and 2 story, basement, 75 x 80 ft., rein.-con., brick, steel addition, plain found., Sanford St. $40,000.

Ill., Chicago — FACTORY — Columbia Mills, Minett, N. Y., plans by Lockwood-Greene & Co., 400 North Michigan Ave., 1 and 3 story, 121 Peoria St. $200,000.

Mo., St. Louis—PACKING PLANT—Swift & Co., Union Stock Yards, Chicago, Ill., soon takes bids 6 story, basement, 120 x 133 ft., rein.-con., brick addition, Vandeventer St. $600,000. Private plans.

Tex., Kirbyville—COTTON GIN—West End Gin Co. cotton gin, West End. $40,000. Private plans.

Tex., Olney—POWER PLANT—Louisiana Power Co., Ft. Worth Club Bldg., Ft. Worth, soon takes bids power plant. $100,000.

Tex., San Angelo—CREAMERY—Snowhite Creameries, c/o H. C. Vandervort, genl. mgr., 2 story, creamery plant. $200,000. Private plans.

Okla., Durant—PEANUT FACTORY—R. W. Higginbotham, sketches peanut factory. $60,000. Private plans.

Okla., Hollis—COTTON COMPRESS—W. I. Giles cotton compress. $80,000. Private plans.

Okla., Luther—LIGHT PLANT—J. C. Harrison, Stroud, sketches 300 hp. electric light plant, distribution system. $45,000. Private plans.

Okla., Oklahoma City—MILL—Superior Feed Mills 2126 West Ash St., feed mill, G St. $100,000. Prviate plans. E. D. Beattie, mgr.

Calif., Culver City — DISTRIBUTING PLANT—Adohr Creamery Co., c/o Morgan, Walls & Clements, archts., Van Nuys Bldg., Los Angeles, 1 story, 90 x 195 ft., with 55 x 125 ft. extensions, brick, concrete distributing plant.

Calif., Los Angeles — GARAGE — Van Nuys Building Co., c/o Morgan, Walls & Clements, archts., Van Nuys Bldg., 3 story, basement, 60 x 155 ft., rein.-con., steel, South Spring St.

Calif., West Sacramento—MILL—Capital Rice Mills, N. B. Morse, supt., rebuilding 4 story, 60 x 100 ft., rein.-con., corrugated iron wings housing rice milling machinery, recently destroyed by fire.

Ont., Petrolia — REFINERY — Superior Sugars, Ltd., beet sugar refinery. $1,000,000. F. G. Potter, c/o owner, engr.

Bids Desired

Conn., Danbury — FACTORY — Danbury Industrial Corp., c/o J. E. Pike, Danbury, taking bids 1 story, 65 x 200 ft., brick, steel, Shelter Rock Rd. $60,000. Sunderland & Watson, 248 Main St., archt. Noted July 5.

N. Y., Brooklyn—SERVICE GARAGE—Dalson Realty Corp., H. Levine, pres., 186 Remsen St., taking sub-bids 90 x 198 ft., service garage, East New York and Troy Aves. $85,000. C. Goodman, 375 Fulton St., archt.

N. Y., New York—MANUFACTURING, LOFT and STORE—Eighth Avenue Building Co., 1133 Bway., taking sub-bids, manufacturing, loft and store building, 709 8th Ave. $100,000. Greenberg Leuchtag, 1385 Bway., archts.

N. Y., Queens (Ind br. Jamaica)—BAKERY—H. Holder, archt., 242 Franklin Ave., Brooklyn, taking bids 2 story bakery, 222nd St. and 99th Ave., for Dugan Bros., 288 South 5th St., Brooklyn. $500,000.

N. J., Beachhaven—ELECTRIC PLANT—Bd. Boro Council bids about Aug. 15, 1 story, basement, brick, steel, plain found. $50,000. W. H. Boardman, 426 Walnut St., Phila., Pa., archt. Noted July 19.

N. J., Hohokus—DAIRY — Saddlebrook Farm, S. Thomas, pres., taking bids two 1 story, 36 x 70 ft., and 40 x 80 ft., brick, steel buildings, plain founds. $40,000.

Md., Baltimore—PLANT—Aug. 14 by Chesapeake Paperboard Co., Key Highway and Baltimore and Ohio R.R., 2 story, 80 x 180 ft., concrete, brick, steel addition, concrete found., Key Highway and Baltimore and Ohio R.R. $200,000. K. A. Lefren, 171 Madison Ave., New York, engr.

Md., Baltimore—OIL DISTRIBUTING PLANT—See "Contracts Awarded."

D. C., Wash.—GARAGE—A. S. J. Atkinson, archt., 3801 Macomb St., N. W., takes bids about Aug. 25, public garage, Northwest section, $100,000. Owner, c/o archt.

La., New Orleans—FACTORY—Aug. 26, by Theard & Mathews, archts., Balter Bldg., 1 story, 131 x 180 ft., rein.-con., brick, 22,000 sq.ft. floor space, Cortez St., for Tobias Bag Co. $40,000.

O., Canton—SERVICE STATION—Putnam Lubrication Service, Inc., bids about Aug. 30, 2 story, 66 x 200 ft., tile, stucco, McKinley Ave. N. W. $40,000. C. E. Firestone, Renkert Bldg., engr.

O., Kent—POWER HOUSE and TUNNEL—Aug. 31, by W. A. Cluff, chn., Bd. Trustees, State Normal College, remodeling power house and building new stack, campus, $35,000—building 700 ft. 6 x 6½ ft. tunnel to carry steam and electric lines, etc. $35,000. Ronan & Englesson, 1694 North High St., Columbus, archts.

Mich., Detroit — FACTORY — A. Kahn, archt., 1000 Marquette Bldg., bids about Aug. 15, 6 story, basement, 225 x 239 ft., rein.-con., brick, steel, plain found., Jos. Compau Ave., for Park Davis & Co., 2951 Atwater St.

Wash., Seattle — SUBSTATION and OFFICE—City Light Dpt., J. D. Ross, supt., bids about Aug. 15, 2 story, basement concrete, steel, terra cotta sub-station to cover 3 blocks, 3rd and Madison Sts. $500,000. A. H. Albertson, Henry Bldg., archt. Noted July 5.

Ont., Oakville—FACTORY—Aug. 16, by E. Bamber, Kerr St., 1 story, 60 x 300 ft., concrete, brick, steel, $50,000, for General Metal Devices, Ltd., Kerr St. R. Card, 142 Chester St., Toronto, archt.

Contracts Awarded

Me., Auburn—FOUNDRY—Androscoggin Fdry., L. MacFadden, supt., 31 Washington St., 1 story, brick, steel, plain found., to J. A. Greenleaf & Sons Co., Auburn.

Mass., Baldwinsville — MILL — A. L. Adams Paper Co., 2 story, 80 x 200 ft., rein.-con., plain found., to Fiske-Carter Constr. Co., 11 Foster St., Worcester, to exceed $40,000. Noted June 21.

Mass., Everett—SERVICE and REPAIR GARAGE — Metropolitan Assn. Trust, 1 story, 85 x 160 ft., brick, steel, plain found., Clinton and Chelsea Sts., to W. M. Bailey Co., 88 Broad St., Boston. Est. $40,000.

Conn., Hartford—POWER PLANT—Underwood-Elliott-Fisher Co., Capital Ave., general contract brick, steel, concrete power plant, to Aberthaw Constr. Co., 80 Federal St., Boston, Mass. Est. $300,000. Noted June 21.

Conn., Norwalk—PLANT—Sunfast Hats, Inc., 3 story, 200 x 300 ft., brick, steel, rein.-con., Rowan St., to Hewlett Co., 886 Main St., Bridgeport. Est. $500,000. Noted July 26.

N. Y., Brooklyn—SERVICE GARAGE—Brooklyn Parking Terminal, J. V. Coyle, pres., 250 Park Ave., New York, 6 story, 101 x 220 ft., brick to C. L. Fraser, 50 Broadway. $300,000. Noted July 12.

N. Y., Buffalo—INDUSTRIAL — Buffalo Cold Storage Co., 78 Perry St., 4 story 5 x 50 ft., brick, steel, 101 Columbia St. to Hydro Constr. Co., Mutual Life Bldg. $60,000.

N. Y., Buffalo—FACTORY—H.-O Co., Genesee Bldg., general contract 6 story, 72 x 80 ft., rein.-con. warehouse, Perry St., to Turner Constr. Co., 11 Goodell St., $100,000.

N. Y., Fulton—FACTORY—Oswego Falls Corp., publishing plant, to Austin Co., 16112 Euclid Ave., Cleveland, O. Est. $100,000.

N. Y., Long Island City—FACTORY—Rug Renovating Co., 90 Ridge St., 102 x 147 ft. rug renovating factory, Ridge Ave.

Constr. News page 81

Buildings—Industrial (Continued)

and Dey St., to C. Curtis Woodruff, 213 10th St. Est. $40,000. Noted July 19.

N. Y., New York—MANUFACTURING and LOFT—Estate of W. DeForest Muncie, c/o Clinton & Russell, archts., 17 John St., 24 story manufacturing plant and loft, to G. Richland Davis, 10 East 41st St. Est. $1,200,000.

N. Y., White Plains—FACTORY—Cushman Sons, Inc., J. Bunsch in charge, 1819 Bway., New York, factory, Westmoreland Ave., to Johnson & Miller, Bway., Yonkers.

N. J., Newark—FACTORY—J. Lichtman & Sons, 241 Frelinghuysen Ave., general contract 4 story, basement, 178 x 218 ft., rein.-con., brick, steel, plain found., 306—36 Sherman Ave. and Concord St., to S. Scrimshaw & Co., 526 Elm St., Arlington. Est. $350,000. Noted June 28. Waitt & Bond., Inc., 25 Wickliffe St., lessee.

N. J., Newark—FACTORY—L. Richtman, & Sons, 241 Frelinghuysen Ave., factory, Sherman and Concord Sts., to S. Schrimshaw, 526 Elm St., Arlington. Est. $500,000.

N. J., Newark—RADIO TUBE FACTORY Sonatron Tube Co. (Radio Tube Corp.), 88 8th Ave., general contract 4 story, basement, 45 x 120 ft., brick, steel, plain found., 57-9 State St., to Drill Constr. Co., 889 Broad St. Est. $60,000. Noted July 26.

N. J., New Brunswick — CHOCOLATE FACTORY—Reichard Cocoa & Chocolate Co., 50 Broad St., New York, 3 story, basement, 60 x 200 ft., rein.-con., brick, plain found., Jersey Ave., to Industrial Eng. Co., 50 Church St., New York. Est. $200,000. Noted June 7.

N. J., Trenton — FACTORY — W. & J. Sloane, 5th Ave. and 47th St., New York City, general contract 2 story, 42 x 190 ft., brick, steel, plain found., to Karno-Smith Constr. Co., Broad Street Bank Bldg. Est. $75,000.

Md., Baltimore—OIL DISTRIBUTING PLANT—Tidewater Oil Co., 11 Bway., New York, oil distributing plant, day labor. $500,000. Private plans.

Md., Baltimore—FACTORY—B. Frank, archt., 517 Charles St., 1 story, 52 x 300 ft., brick, steel, to J. L. Robinson Constr. Co., 522 Park Ave., for Union Bros., 37 West Cross St. Noted July 12.

W. Va., Newell—KILN SHED—Homer Laughlin China Co., Newell, two 20 x 30 ft., continuous kilns, to Harrop Ceramic Serv. Co., 310 West Broad St., Columbus, O. Est. $150,000.

N. C., Lexington—GAS PLANT—Lexington-Thomasville Gas Co., N. H. Gellert, pres., large gas plant, mains, to Atlantic Constr. & Eng. Co., Phila., Pa. Est. $175,000. Noted July 12.

Ga., Cordele — HYDRO-ELECTRIC PLANT—Hydro-Electric Power Co. Comrs. Crisp Co., Courthouse, power plant and dam for hydro-electric plant to L. E. Myers Constr. Co., 53 West Jackson Blvd., Chicago, Ill., and S. J. Groves & Son, Cordele, $777,687; hydraulic machinery and equipment to Newport News Shipbuilding & Dry Docks Co., Newport News, Va., $99,200; electrical work to General Electric Co., River Rd., Schenectady, N. Y., $102,500. Noted May 17.

Ala., Tuscaloosa — POWER PLANT — Gulf States Service Co., power plant on Black Warrior River, incl. 7,500 kw. steam turbine and three 1,000 hp. boilers, to United Engineers & Constructors, Inc., Broad and Arch Sts., Phila., Pa. $1,000,000.

Miss., Biloxi — ICE PLANT — Antioch Packing Co., 45 x 100 ft., and 35 x 80 ft. brick, concrete to Manuel & Wetzel, Biloxi. Est. $65,000.

Miss., Jackson—FACTORY—N. and W. Overall Co., Lynchburg, Va., general contract 4 story, rein.-con., brick, to Wetmore Constr. Co., Jackson, $44,474. Noted July 12.

La., New Orleans — DISTRIBUTING DEPOT—Chevrolet Motor Corp., 3044 West Grand Blvd., Detroit, Mich., 2 story, 150 x 250 ft., pile found., Jefferson Davis Parkway, to Gervais Favrot, Balter Bldg. Est. $150,000.

O., Cleveland — BAKERY — G. S. Rider Co., archts., Century Bldg., 3 story, basement, 75 x 150 ft., rein.-con. addition, to H. E. Klefman Co., 2844 Lorain Ave., for Spang Baking Co., 2701 Barber Ave. Est. $150,000. Noted Apr. 12.

O., Cleveland—FACTORY—Ferro Enameling Co., C. M. Horn, secy., B. F. Keith Bldg., 2 story, basement, 54 x 66 ft., steel addition, 4156 East 56th St., to P. Kirschner Co., 2725 Pittsburgh Ave. Est. $40,000.

O., Cleveland—FACTORY and BOILER HOUSE—Eaton Axle & Spring Co., East 65th St. and Central Ave., 121 x 343 ft. factory, 35 x 62 ft. boiler house, both 1 story, brick, steel, 739 East 140th St., to Dresser Co., Superior Arcade. Est. $150,000.

O., Cleveland—FACTORY—Grabler Mfg. Co., M. C. Rosenfeld, vice pres., 6565 Bway., 1 story, 35 x 80 ft. brick, addition, to S. W. Emerson Co., 1836 Euclid Ave., Est, $40,000. Noted Aug. 2.

O., Cleveland — FACTORY — Triplex Screw Co., A. F. Weber, prop., 6112 Central Ave., 1 story, 40 x 120 ft., brick, steel, 6112 Central Ave., to J. L. Hunting Co., Guarantee Bldg. Est. $40,000. Noted July 12.

O., Cleveland — MACHINE SHOP—Ohio Crank Shaft Co., 6600 Clement Ave., 1 story, 80 x 140 ft., brick, steel, 6502 Clement Ave., to J. L. Hunting Co., Guarantee Title Bldg. Est. $50,000.

O., Cleveland—FACTORY—Willard Storage Battery Co., R. C. Norberg, vice pres. and genl. mgr., 246 East 131st St., 1 story, 64 x 212 ft., brick, steel, 246 East 131st St., to S. W. Emerson Co., 1836 Euclid Ave. Est. $75,000. Noted Aug. 2.

Mich., Detroit—FLOUR MILL—Commercial Milling Co., 203 Randolph St., 5 story, 46 x 92 ft. steel, concrete top addition, Randolph St., to Foundation Co. of Pittsburgh, Fulton Bldg., Pittsburgh, Pa. Est. $225,000.

Mich., Flint — FACTORY — Chevrolet Motor Car Co., 1 story, 26 x 200 ft., brick, steel, concrete addition, Chevrolet Ave., to W. E. Wood Co., 1805 Ford Bldg., Detroit. Est. $50,000. Steam heating, roofing and electric motors.

Ill., Chicago—FACTORY—Tower Products Co., 330 North Ashland Ave., general contract 2 story, 25 x 115 ft., timber, 1500 Austin St., to G. Cook, Oak Manor Hotel, Oak Park.

Ill., Chicago—PLANT—Miehle Printing Press Mfg. Co., 14th and Damen Ave., masonry and carpentry contract 5 story, 200 x 263 ft., brick, 1332-58 Damen St., to J. W. Synder Co., 307 North Michigan Ave. Est. $450,000.

Ill., Chicago—PRINTING PLANT—F. Chase, Inc., archt., 720 North Michigan Ave., masonry contract 1 story, 250 x 480 ft., 312 x 500 ft., to L. Balkin, 1850 West Austin Ave., for R. O. Law Printing Co. Est. $250,000. Noted July 12.

Wis., Milwaukee — COLD STORAGE WAREHOUS7 — Wisconsin Cold Storage Co., 178-88 Florida St., 8 story, basement, 54 x 96 ft., brick, tile, concrete, steel, Florida St., to H. Schmitt & Son, 14 Burleigh St. Noted July 19.

Wis., Milwaukee—FACTORY—Milwaukee Mill Supply Co., 1369-31st St., 2 story, 50 x 100 ft., brick, plain found., South Pierce St., to W. W. Koch, 1111 2nd St.

Ia., Cedar Rapids—MILL and STORAGE — Quaker Oat Co., 80 East Jackson Blvd., 11 story, basement, 85 x 113 ft., rein.-con., to Leonard Constr. Co., 37 West Wabash Ave. Est. $275,000.

Neb., Lincoln — BOILER HOUSE — See "Buildings—Educational, Religious."

Mo., Carthage—AMMONIA OXIDATION PLANT—Hercules Powder Co. sulphuric concentrating plant, to Chemical Constr. Co., 50 East 42nd St., New York. Est. $300,000.

Mo., Leeds — AUTOMOBILE PLANT — General Motors Co., General Motors Bldg., Detroit, Mich., general contract 300 x 763 ft., assembling plant, 120 x 280 ft., Fisher Body building, 40 x 221 ft. shed, 46 x 70 ft. office building, all 1 story, and 40 x 262 ft. loading shed, all brick, concrete, steel, to S. Patti Constr. Co., 626 Lee Bldg., Kansas City. Est. $2,500,000. Noted May 31.

Tex., Galveston—WAREHOUSE—South Texas Compress Co., 4520 Ave. F, addition to warehouse, 48th St., incl. monitor type, metal clad walls with concrete dividing fire walls, automatic sprinklers, 100,000 gal. capacity elevated tank, to W. M. Roitsch, 3720 Ave. Q, $75,000.

Tex., Houston — WAREHOUSE — A. Sprunt & Son, Cotton Exchange Bldg., 2 story, 175 x 250 ft., brick, Ship Channel, to Southwestern Constr. Co., West Bldg., $103,800.

Calif., Petaluma — PACKING PLANT — Poultry Producers of California, 700 Front St., San Francisco, 1 story, rein.-con., to S. J. Weeks, 331 El Dorado St., Vallejo, $45,000.

Buildings—Educational, Religious

Proposed Work

Mass., Auburn—SCHOOLS—F. A. Allen, chn. Bd. Selectmen, revised plans by Peare & Dorman, 6 Beacon St., Boston, two 2 story, basement, brick, stone, plain founds., Elm Hill and Auburn Centre Dists. $150,000 or more. Former bids rejected. Noted July 12.

Mass., Barnstable—HIGH SCHOOL—Town, S. F. Scudder, chn. Building Com., sketches by C. G. Loring, 7 Water St., Boston, 2 story, basement, brick addition, plain found. $210,000. Noted Mar. 1.

Mass., Cambridge (br. Boston)—SCHOOL—City, Bd. Educ. sketches by C. R. Greco, 11 Beacon St., Boston, Mass., altering and constructing 3 story, basement, 20 room, brick addition to Roberts School. $650,000.

Mass., Danvers—NURSES HOME—c/o Dept. Mental Diseases, State House, Boston, soon takes bids 3 story, basement, brick, rein.-con., plain found., at State Hospital. $150,000. G. Robb, 14 Beacon St., Boston, archt. Noted May 3.

Mass., Everett (br. Boston)—SCHOOLS—City, J. A. Roche, mayor, City Hall, altering and constructing 2 story, basement, brick, stone additions to Hamilton School, Nichols St.; and Lafayette School, Shute St. $150,000. Engineer and architect not selected.

Mass., Sterling—HIGH SCHOOL—Town, A. Hill, chn., com., Junior High School, brick, steel, Princeton Rd. $150,000. Engineer and architect not selected.

Conn., Hartford — SCHOOL — Northeast School Dist., W. G. Camp, chn., school, Hampton St. and Tower Ave. To exceed $150,000. Engineer and architect not selected.

Conn., Westport—SCHOOL—Town, M. R. Lefler, supt., plans by W. B. Tubby, 475 5th Ave., New York, brick, steel addition to Bedford School. $150,000.

N. Y., Amenia — HIGH SCHOOL — Bd. Educ. soon lets general contract 2 story, basement, brick, steel, plain found. $150,000. E. Sibley, Bluff Rd., Palisade, N. J., archt. Noted Mar. 1,

N. Y., Hempstead—SCHOOL—Bd. Educ., Boro Hall, plans by E. Sibley, Bluff Rd., Palisade, N. J., 3 story, basement, brick, steel, plain found., William St. and Jerusalem Ave. $150,000. Noted July 5.

N. Y., Long Island City—Y.M.C.A., plans brick, steel, Y.M.C.A., Crescent, 24th and 41st Sts. $1,500,000. Engineer and architect not selected. Noted Feb. 25, 1926.

N. Y., Oneonta — COLLEGE — Hartwick College, 3 story college to Williamson Co., 357 East 5th St., Elmira. Est. $250,000. Noted July 19.

N. J., Bloomfield — TEMPLE and SCHOOL—Temple Bnai Zion, c/o. Brach & Singer, archts., 60 Park Pl., Newark, 2 story, basement, brick, steel, plain found., 430 Franklin Ave. $150,000.

N. J., Boonton—SCHOOL—Bd. Educ., F. McMahon, Sherman St., soon lets contract, 2 story, school, Maple and Lathrop Sts. $160,000. Hacker & Hacker, Main St., Ft. Lee, archts. Moray & Waller, 101 Park Ave., New York City, engrs.

N. J., Fort Lee — SCHOOL — Madonna Parochial School, J. Cocoran, pastor, Jones Rd., 2 story, basement, 137 x 165 ft., brick, steel, plain found., Whiteman and Hoynn Sts. $150,000. Noted July 19.

N. J., Jersey City—CHURCH, PARSONAGE and PARISH HALL—Christ Evangelical Church, L. House, pastor, 179 Woodward Ave., plans by W. Neumann, 40 Journal Sq., 1 story, basement, brick, steel, field stone, plain found. Communipaw Ave. and Woodward St. $150,000. Noted July 19.

N. J., Little Ferry—SCHOOL—Bd. Educ., J. Cronin, pres., Main St., plans by Hacker & Hacker, 201 Main St., Hackensack, 2 story, basement, brick, steel addition, plain found. $150,000. Noted Dec. 29.

N. J., Newark—CHURCH and OFFICE—Newark Dist. Church Society, A. D. Ball, pastor 146 Prospect St., East Orange, plans by Starrett, & Van Vleck, 393-7th Ave., New York, 25 story, brick, stone, church and offices, $3,500,000. Noted Mar. 8.

N. J., North Haledon (mail Paterson)—ORPHANGE—Sisters Order, Daughter of

Constr. News page 81a

Buildings—Educational, Religious (Cont.)

Mary Help of Christian, 41 Ward St., Paterson, revised plans by J. Bellomo, 6 Park Ave., Paterson, 2 story, basement, 60 x 125 ft., brick, steel, plain found., Belmont Ave. $150,000. Noted July 5.

N. J., Passaic—COMMUNITY CENTRE—Ahavas Israel, 171 Howard St., plans by Preiskel & Skvarla, 2 Lexington Ave., 5 story, basement, 100 x 150 ft., brick, steel, plain found., 181 Van Houten Ave. $150,000. Noted Aug. 2.

La., Mansura — SCHOOL — Avoyelles School Bd., plans by W. T. Nolan, Canal Bank Bldg., New Orleans, 2 story, rein.-con., brick, stone, steel school. $150,000.

La., New Orleans—SCHOOL—Orleans School Bd., City Hall, plans by E. A. Christy, City Hall, 3 story, rein.-con., brick, stone, Spain St. $200,000.

O., Cleveland — SCHOOL — St. Thomas Aquines Church, T. F. Mahon, pastor, 1230 Ansol Rd., plans by W. C. Jansen, 1227 Prospect Ave., 2 story, basement, brick, steel, rein.-con., Ansel Rd. $250,000.

O., Wooster — DORMITORY — Wooster College, C. F. Wishart, in charge, sketches by D. A. Waide, 1 Madison Ave., New York, brick, $250,000.

Ind., Indianapolis—GYMNASIUM—Butler University bids in September, general contract gymnasium, Fairview Park. $150,000. T. Hibbern, 551 5th Ave., New York, N. Y., archt.

Mich., Kalamazoo—ACADEMY—Sisters of St. Joseph Nazarath Academy, plans by D. A. Bohlen & Son, 1001 Majestic Bldg., Indianapolis, Ind., 4 story, basement, 60 x 300 ft., rein.-con., brick, plain found. $400,000.

Mich., Northville—GYMNASIUM—Wayne County Training School, plans by A. H. Gould & Son, Empire Bldg., Detroit, 3 story, 110 x 180 ft., rein.-con., brick, steel gymnasium, incl. swimming pool, plain found. $150,000.

Ill., Chicago — LABORATORY — University of Chicago, 189 West Madison St., plans by Perkins, Chatten & Hammond, 160 North La Salle St., laboratory, 13 greenhouses on 115 x 350 ft. site, Ingles Ave., near 56th St. $350,000.

Ill., Park Ridge—SCHOOL—Bd. Educ. plans by Perkins, Chatten & Hammond, 160 North La Salle St., Chicago, 2 story basement, brick. $400,000.

Ia., Waterloo — CHURCH—Westminster Presbyterian Congregation, W. F. McCormick, pastor, sketches church, 708 West 4th St. $200,000.

Minn., Minneapolis—CHURCH and COMMUNITY—A. B. Boyer, archt., 878 Arcade Bldg., St. Louis, Mo., soon lets contract 12 story, basement, 57 x 110 ft., rein.-con. or steel, brick, terra cotta, stone, for Wesley Church Corporation, c/o A. H. Maas., pres., 501 Palace Bldg. $700,000. Vapor steam heating, etc.

Kan., Topeka — HIGH SCHOOL—Bd. Educ. plans by T. W. Williamson & Co., 312 Central Natl. Bank Bldg., Junior High School, $160,000.

N. D., Minot—HIGH SCHOOL—Bd. Educ. plans by Bugenhagen & Molander, 305 Union Natl. Bank Bldg., 3 story, 61 x 200 ft., rein.-con., steel, brick, stone, plain found. $200,000.

Mo., Kansas City — CITADEL — Owner, c/o Henrici-Lowry Eng. Co., archts. and engrs., 402 Security Bldg., plans Salvation Army Citadel, 3 story, basement, rein.-con., brick. $150,000.

Mo., Macon—SCHOOL—Bd. Educ. 2 story, basement school. $150,000.

Mo., St. Louis—HOSPITAL—Washington University School of Medicine, 602 South Euclid Ave., bids in fall, Ear, Eye, Nose & Throat Hospital, 9 story, basement, rein.-con., brick, stone. $2,000,000 or more. Jamieson & Spearl, 1116 Arcade Bldg., archts. Noted Apr. 26.

Mo., St. Louis—RADIOLOGY—Washington University, Skinker and Forsythe Blvds., bids in fall 4 story, basement, rein.-con., brick, stone radiology building. $1,000,000. Jamieson & Spearl, 1116 Arcade Bldg., archts.

Ark., Jonesboro—CONVENT—Order of St. Benedict, c/o St. Bernard's Hospital, soon lets contract 4 story, 50 x 135 ft., and 40 x 43 ft., rein.-con., brick, steel, hollow tile, cut stone convent. $150,000. H. J. Kramer, Goodwyn Institute Building, Memphis, Tenn., archt.

Tex., Houston—CHURCH and SUNDAY SCHOOL—Second Baptist Church, soon lets contract 3 story, 65 x 115 ft., McGowen St. $150,000. J. R. Bailey, 1606 Main St., archt. Noted June 7.

Constr. News page 82

Calif., Long Beach—HIGH SCHOOL—Long Beach School Dist. plans by W. H. Austin, Pacific Southwest Bldg., 2 story, brick, concrete, $150,000.

Calif., San Francisco — SCHOOL — City and San Francisco Co. plans by Ashley, Evers & Hays, 525 Market St., 12 classroom, fireproof, Geary, Cook and Blake Sts. $150,000.

Calif., San Francisco—SCHOOL—City and San Francisco Co., plans by Reid Bros., 105 Montgomery St., 2 story, rein.-con., Divisadero St. $150,000 or more.

Ont., Toronto — HIGH SCHOOL — Bd. Educ., 155 College St., plans by C. Dyson, 155 College St., 2 or 3 story, basement, brick, rein.-con., steel, plain found., in North Toronto, $250,000.

Bids Desired

Vt., Bennington—SCHOOL—Sacred Heart Parish, J. A. Campean, pastor, taking bids 2 story, basement, 90 x 120 ft., brick, steel school and auditorium, $150,000. J. P. Heffernan, 175 High St., Boston, Mass., archt. Noted May 17.

Mass., Belchertown—SCHOOL, DORMITORY, etc.—Aug. 16, by Commonwealth of Massachusetts, Dpt. Mental Diseases, State House, Boston, 2 and 3 story, basement, schoolhouse and dormitory and gymnasium, brick, plain found. $150,000 or more. Kendall, Taylor & Co., 142 Berkley St., Boston, archts.

Mass., Dorchester (sta. Boston) — SCHOOL—Dorchester & Mattapan Hebrew School, M. E. Schneider, pres., 26 Pemberton Sq., Boston, taking bids 3 story, basement, 170 x 180 ft., brick, stone, plain found. Morton St. To exceed $150,000. Eisenberg & Feer, 46 Cornhill, Boston, archts. Formerly contract rescinded. Noted Apr. 19.

Mass., West Roxbury (sta. Boston)—CHURCH—Holy Name Paris, W. P. McNamara, pastor, 1689 Centre St., taking bids 1 story, basement, brick and stone, plain found., 1689 Centre St. $150,000 or more. E. T. P. Graham, 171 Newbury St., Boston, archt. Noted July 19.

Mass., Winchester—CHURCH and PARISH HOUSE—Aug. 15 (extended date), by G. S. Newton, archt., 6 Beacon St., Boston, 2 story, basement, 110 x 170 ft., granite, plain found., church and parish house, Washington and Mt. Vernon Sts., for First Baptist Church, B. F. Brown, chn. building comn. $150,000. Noted June 28.

Conn., Branford—HIGH SCHOOL—Aug. 15 by Town School Bd., 2 story, basement 57 x 170 ft. and 57 x 58 ft., brick, steel, high school $240,000. R. W. Foote, 185 Church St., New Haven, archt. Noted May 24.

N. Y., Brooklyn—HIGH SCHOOL—Aug. 21, by W. C. Martin, supt. School Buildings, Flatbush Ave. extension and Concord St. general contract P. S. 227, (Edward B. Shallow Junior High School) on 16th Ave. and 65th and 66th Sts. for Bd. Educ., 500 Park Ave., New York.

N. Y., Mount Kisco — CHURCH and PARISH HOUSE—B. Goodhue Associates, archts., 2 West 49th St., New York, bids after Aug. 15, church, for St. Marks Church, 252 East Main St. $225,000. Noted July 19.

N. J., New Milford—HIGH SCHOOL—Bd. Educ. Boro Hall, takes bids general contract about Aug. 15, 2 story, basement, brick, steel, plain found. $375,000. E. Sibley, Bluff Rd., Palisades, archt. Ventilating, boilers, artifical stone, natural stone, face brick, metal lath, flooring, roofing, etc. Noted May 3.

N. J., Newark—VOCATIONAL SCHOOL—Aug. 28, by Essex Bd. Vocational Educ., Hall of Records Bldg., 2 story, basement, 195 x 245 ft., rein.-con., brick, steel, plain found., North 13th St. $727,200. Noted July 19.

N. J., Passaic—CONVENT, RECTORY, SCHOOL and AUDITORIUM—Church of Assumption of The Blessed Virgin Mary, J. Rubacky, pastor, 128-2nd St., Passaic, bids about Oct. 1, general contract 1, 2 and 3 story, basement, brick, steel, plain found., 1st, 2nd, Monroe and Hudson Sts. $500,000. Fanning & Shaw, 49 Ward St., Paterson, archts. Noted May 17.

N. J., Tenafly — SCHOOL — Bd. Educ., Boro Hall, bids about Aug. 15, 2 story, basement, brick, steel, plain found. Magnolia Ave., $250,000. E. Sibley, Bluff Rd., Palisade, archt.

Pa., Allentown—DORMITORY—Aug. 15, by Jacoby & Everett, archts., Commonwealth Bldg., 3 story, basement, sub-basement, 118 x 248 ft., and 37 x 63 ft., rein.-con., brick, steel, plain found., on campus, for Cedar Crest College.

Pa., Monessen—SCHOOL—School Bd. of School Dist. of Monesson, takes bids about Aug. 9, 2 story, basement, 64 x 126 ft., brick, steel school. $150,000. H. E. Clark, Monesson, archt. Gypsum roofing, etc.

D. C., Wash.—SCHOOL—Aug. 15, by Dist. Columbia, Langoon School, general contract, $275,000. A. L. Harris, municipal archt.

O., Kent—TRAINING SCHOOL—Aug. 31, by Trustees of State College, training school, power house and equipment, College grounds. $220,000. Roan & Ingleson, Kent, archts.

Ind., Columbus—HIGH SCHOOL—Aug. 10, by School Comrs., rein.-con., brick, steel Junior High School, $150,000. N. Hill, 1050 North Delaware St., Indianapolis, archt. J. Rotz, Merchants Bank Bldg., Indianapolis, engr.

Mich., Saginaw — SCHOOL — Bd. Educ., Warren Ave., and Frantz & Spence, archts., 116 North Washington Ave., taking bids 2 story, basement, 98 x 201 ft., rein.-con., brick, steel, plain found., 10th St., $150,000.

Kan., Lawrence—NURSES HOME—Coolidge & Hodgdon, archts., 134 South La Salle Ave., Chicago, Ill., bids about Aug. 17, brick, nurses home Maine St., for J. B. Watkins, Lawrence, $150,000.

Bids Received

N. Y., White Plains — SCHOOL—Bd. Educ., R. E. Dougherty, pres., 393-7th Ave., New York, school, from A. Percy, Port Chester. Est. $1,000,000.

Contracts Awarded

Vt., West Rutland—HIGH and GRADE SCHOOL—Town, P. Levenworth, supt. schools, 3 story, basement, brick, marble, plain found., to A. C. Hay Constr. Co., 34 Pearl St., Hudson Falls, N. Y. $150,000.

Mass., Falls River—CHURCH and PARISH HOUSE—St. John's Episcopal Church, c/o H. I. Fair, pastor, 1 and 2 story, basement, brick, stone, plain found., to C. Hodgate & Co., 370 Bedford St. Est. exceeds $150,000. Noted July 19.

Mass., Greenfield—SCHOOL—Holy Trinity Roman Catholic Church, c/o P. J. Meehan, pastor, 133 Main St., Springfield, 3 story, basement, to G. H. Reed & Co., Greenfield. Est. $150,000 or more. Noted July 19.

Mass., Northampton — ZOOLOGICAL — Smith College, brick, steel, incl. students quarters, to D. A. Sullivan & Son, 78 Main St. Est. $150,000.

R. I., Central Falls—SCHOOL—City, c/o Superintendent, Schools, 2 story, basement, brick, to Humes Constr. Co., 365 Dexter St. Est. $150,000. Noted June 28.

Conn., Greenwich—CHURCH—St. Rocco Roman Catholic Church, A. Wollschlager, pastor, 1 story, basement, brick, bluestone, Alexander St. and Griggs Ave., to J. Christiano, 431 Summer St. Est. $150,000. Noted June 7.

N. Y., Brooklyn — SCHOOL — Bd. Educ., 500 Park Ave., New York, general contract Seth Low Junior High School, to Pstay & Fuhrman, Inc., 153 East 72nd St., New York, $877,750; heating, to D. J. Rice, 606 1st Ave., New York, $118,700; plumbing, to H. Homer, 1375 58th St., $52,623. Grand total $1,029,073. Noted June 21.

N. Y., New York—HOME and INFIRMARY—Methodist Episcopal Church Home, W. J. Stitt, pres., Amsterdam Ave. and 92nd St., home and infirmary for aged, Spuyten Duyvue Parkway, to J. Lowry, 270 Madison Ave. Est. $500,000. Noted July 10.

N. Y., Queens (Ind. br. Jamaica)—CHURCH and SCHOOL—Dutch Reformed Church, Queens Rd. and Jericho Turnpike, church and school, Jericho Turnpike and Springfield Rd., to L. M. Neckerman, 103 Park Ave., New York.

N. Y., White Plains—HIGH SCHOOL—Bd. Educ., R. E. Dougherty, pres., general contract high school, to W. A. Berbusse, 35 Bush Ave., Port Chester, $1,043,400. Noted Aug. 2.

N. J., Highland Park — SCHOOL — Bd. Educ., 2 story, basement, brick, steel addition, plain found., 3rd Ave., to Nora & Nora Constr. Co., 52 Paterson St., New Brunswick. Est. $150,000. Noted July 12.

N. J., Nutley (br. Newark)—SCHOOL—Bd. Educ., High School Bldg., general contract 2 story, basement, brick, steel addition, plain found. Harrison St., to Kirkpatrick Constr. Co., 185 Market St., Newark, $216,462; heating, to R. P. Lister, 532 Bloomfield Ave., Verona, $45,421; noted July 26; plumbing, to A. M. Maddox, 234 Watchung Ave., Montclair, $20,938; electrical work to C. P. Hansen, 230 New St., Belleville, $16,650.

Buildings—Educational, Religious (Cont.)

Pa., Masontown — HIGH SCHOOL — School Dist. of Masontown, Junior and Senior High School, 2 story, basement, brick, concrete, steel, to John M. Kisner & Bro. Lumber Co., Freemont, W. Va. Est. $150,000. Noted May 10.

Ga., Decatur—SCHOOL—De Kalb Co., 2 story, basement, brick, steel, rein.-con., to Southern Ferro Concrete Co., 70 Ellis St. N.E., $153,900.

La., New Orleans—CHURCH—St. Charles Ave. Baptist Church, St. Charles and State Sts., general contract steel, limestone, concrete found., St. Charles St., to W. W. Van Meter, 606 Commercial Pl. $170,000. Contractor letting sub-contracts piling, slate roofing, copper work, combined heating and air circulating system. Noted Apr. 23, 1925.

Ky., Louisville — CHURCH — Knesseth Israel Congregation, 411 Fehr Ave., 1 story, basement, colony, 90 x 190 ft., brick, stone, to Platoff & Bush, 122 West Liberty St. Est. $150,000. Noted June 28.

O., Cleveland — ACADEMY — St. Augustine's Convent, 14808 Lake Ave., 2 story, basement, 60 x 128 ft., rein.-con. brick, steel, 14808 Lake Ave., to W. J. Schirmer Co., 1720 Euclid Ave. Est. $200,000. Noted July 12.

O., Cincinnati—SCHOOL—Holy Angels Church, Madison and Grandin Rds., 2 story, basement, rein.-con., brick, plain found., Madison Rd., to Liebold-Farrell Co., Schmidt Bldg., $175,000. Noted Aug. 2.

Mich., Detroit — CHURCH — Epiphany Evangelical Lutheran Church, Bauman Ave. and Seven Mile Rd., 1 and 2 story, basement, 60 x 128 ft., rein.-con., brick, steel, plain found., Bauman Ave., to Everett Winters, 1651 East Grand Blvd. Est. $150,000.

Ill., Urbana—LABORATORY and HALL—University of Illinois, general contract two 3 story, rein.-con., brick, stone buildings, to J. H. Huntzinger & Co., Security Bldg., Davenport, Ia., $275,666 and $330,304 respectively; heating and plumbing for laboratory, to Carson-Paepcke Co., Urbana, $37,556; plumbing in hall, to A. W. Murray & Co., $10,300; heating in hall, to Reliable Heating & Plumbing Co., $16,366; ventilating, to H. Derrough, $7,835. Grand total $778,038. Noted May 17.

Wis., Kenosha — SUNDAY SCHOOL, HALL and CHAPEL—First Methodist Episcopal Congregation, E. Martin, pastor, 2 story, basement, 133 x 217 ft., 11th Ave., to Immel Constr. Co., Fond du Lac.

Minn., Minneapolis—SCHOOL—Bd. Educ., 305 City Hall, general contract altering and constructing rein.-con., brick addition, 39th Ave. S. and 51st St., to Bracker Constr. Co., 752 Builders Exch. Bldg., $176,918.

Minn., Minneapolis—CHURCH—Lake of the Isles Church Congregation, G. Leighton, chn. building com., 1005 West Franklin Ave., superstructure rein.-con., local limestone, Bedford stone, Lake of the Isles Blvd., and West 21st St., to Peterson & Lang, 542 Builders Exch. Bldg. Est. $150,000.

Neb., Lincoln — NURSES HOME — St. Elizabeth Hospital, South St., 5 story, basement, 76 x 132 ft. nurses home, incl. 75 x 100 ft. tunnel, boiler house addition, 13th and South Sts., to W. J. Assenmacher Co., 625 North 17th St., $150,000. Noted Nov. 24.

Mont., Great Falls—SCHOOL—Bd. Educ., V. F. Gibson, clk., general contract 3 story, basement, rein.-con., brick, stone school, incl. stadium, 15,000 seating capacity, to Lease & Leigland, Great Falls. Est. $900,000.

Mo., Normandy—CONVENT—School of Immaculate Heart, c/o M. Anastasia, superior, 3 story, basement, 60 x 80 ft., brick concrete addition, 7626 Natural Bridge Rd., to Mississippi Valley Constr. Co., 802 Chestnut St., St. Louis. Noted May 10.

Ark., Fort Smith — CONVENT and SCHOOL—Benedictine Sisters c/o Sister Lorette, supt., St. Scholastica Convent, 2 story, basement, brick, stone, Albert Pike, to H. G. Buchanan, Fort Smith, Est. $185,000. Noted Mar. 29.

Tex., San Antonio—COLLEGE—Incarnate Word College, Broadway Ave., 3 story, part basement, 38 x 155 ft. dormitory, and 34 x 94 ft. class room college buildings, Broadway Ave., to Kroeger-Brooks Constr. Co., c/o Frost Bldg., $208,795.

Tex., Corpus Christi—HIGH SCHOOL—Bd. Educ., c/o G. P. Blevins, secy., 3 story, 82 x 224 ft., brick, rein.-con., plain found., to Dougherty-Young-Nichols Constr. Co., Corpus Christi, $218,900. Noted July 19.

Calif., Hollywood—CHURCH—Hollywood 1st Methodist Church, rein.-con., Franklin and Highland Aves., to J. C. Bannister, 6331 Hollywood Blvd., $200,000.

Calif., San Diego—HIGH SCHOOL—Bd. Educ., high school in East San Diego, to Kistner-Curtis Constr. Co., Spreckels Theatre Bldg., $450,000. Noted May 31.

Federal Government Work

Proposed Work

D. C., Wash.—HOSPITAL—Quartermaster Division Neuro-psychiatric unit at Walter Reed Hospital. $250,000.

D. C., Wash. — MEDICAL and SURGICAL — U. S. Veterans' Bureau, Arlington Bldg., plans medical and surgical building at St. Elizabeths Hospital. $875,000. Noted Mar. 15.

Ill., Great Lakes (br. Waukegon)—REROOFING—Spec. 5700—Bureau Yards & Docks, Navy Dept., Wash., D. C., Buildings 38 and 90, at Naval Training Station.

Wis., Green Bay—DREDGING—U. S. Engineer Office, Milwaukee, rejected bids June 28, dredging outer channel, Green Bay Harbor. Will readvertise. Noted June 7.

Wash., Fort Lewis—QUARTERS—Constructing Quartermaster, rejected bids July 13, constructing officers quarters, etc. Noted June 21.

Bids Desired

Mass., Northampton — GREENHOUSE—Aug. 21, by U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., greenhouse with workroom at U. S. Veterans Hospital.

N. Y., Brooklyn — COAL CONVEYOR and HOISTING ENGINE — Spec. 5630 — Aug. 22, by Bureau of Yards and Docks, Navy Dpt., Wash., D. C., repairing coal conveyor and hoisting engines, Navy Hospital; adv. E. N.-R. Aug. 9.

N. Y., Olcott—SUPERSTRUCTURE—Aug. 16, by U. S. Engineer Office, Buffalo, concrete superstructure on West Pier, Olcott Harbor. Noted July 19.

N. J., Oceanport—QUARTERS—Aug. 27, by Constructing Quartermaster, Fort Monmouth, one field officers quarters, 3 double quarters for company officers, one double quarters for non-commissioned officers; adv. E. N.-R. Aug. 9.

Pa., McKees Rocks—WATER PIPING—Aug. 22, by Treas. Dpt., at office Supervising Archt., Wash., D. C., in U. S. Post Office.

Pa., Sayre—POST OFFICE—Sept. 4, by Treas. Dpt., at office Supervising Archt., Wash., D. C., post office; adv. E. N.-R. Aug. 9.

Del., Newark—POST OFFICE—Aug. 31, by Treas. Dpt. at office Supervising Archt., Wash., D. C., constructing U. S. Post Office; adv. E. N.-R. Aug. 9.

Md., Beltsville—CREMATORY—Aug. 17, by Director of Purchase and Sales, Dpt. Agriculture, Wash., D. C., crematory.

D. C., Wash.—MACHINERY—Aug. 17, by A. L. Flint, purch. officer, Panama Canal, machinery, automatic sprinkler system, track jacks, boilers, c. i. pipe, cocks, valves, floor drains, etc.

Va., Newport News—DREDGING—Sept. 5, by U. S. Engineer Office, Norfolk, dredging channel; adv. E. N.-R. Aug. 9. Noted June 28.

Va., Quantico — APARTMENT, etc. — Spec. 5601—Constructing Quartermaster, bids about Aug. 22, apartment house disciplinary barracks, power house and industrial group, Marine Barracks.

N. C., Wilmington—DREDGING—Sept. 4, by U. S. Engineering Office, dredging Shallotte River; adv. E. N.-R. Aug. 9.

Fla., Lake City—ALTERATIONS—Aug. 28, by U. S. Veterans' Bureau, Arlington Bldg., Wash. D. C., Building 4, at U. S. Veterans' Hospital.

La., New Orleans—DREDGING—Sept. 3, by U. S. Engineering Office, Poland and Dauphine Sts., dredging Little Caillou Bayou; adv. E. N.-R. Aug. 9. Noted May 24.

Illinois—DIKES—Aug. 22, by U. S. Engineer Office, 428 Custom House, St. Louis, Mo., 7,000 lin.ft. piling dikes or hurdles in Mississippi River at Crain Island and at Boston Bar.

Ill., Rock Island—BARGES—Aug. 29, by U. S. Engineer Office, twenty 24 x 110 ft. creosoted wooden fuel barges; adv. E. N.-R. Aug. 9.

Calif., Mare Island—REFRIGERATING PLANT—Spec. 5586—Aug. 29, by Bureau Yards & Docks, Navy Dpt., Wash., D. C., automatic refrigeration plant, at Navy Yard. Noted Aug. 2.

Bids Received

N. J., New Brunswick—REMODELING—Treas. Dpt. at office Supervising Archt., Wash., D. C., July 30, U. S. Post Office, from J. P. Foley & Sons, 814 Little Bldg., Boston, Mass., $24,621. Noted July 12.

O., Sandusky—DREDGING—U. S. Engineer Office, July 27, dredging and rock removal in Sandusky Harbor from Great Lakes Dredge & Dock Co., Williamson Bldg., Cleveland. $1,051,300. Noted July 5.

Ind., Ft. Benjamin Harris — BARRACKS — Constructing Quartermaster, July 31, 2 barracks, from Caldwell & Son, 620 Continental Bank Bldg., Indiana Harbor, Item 1, $418,644, (complete 120 days). Noted July 19.

Mich., Wyandotte — FOUNDATIONS — Treas. Dpt., at office J. A. Wetmore, supervising Archt., Wash., D. C., foundations for U. S. Post Office, here, from A. M. Lundberg, 208 North Bway., St. Louis, Mo. $21,200. Noted July 19.

California — UNDERGRADE CROSSING—U. S. Bureau P. Rds., San Francisco, concrete paving, undergrade crossing on Tahoe City—Truckee Sect. of Truckee Myers Natl. Forest Hy. from Tieslau Bros., 2819 Grove St., Berkeley, $46,925. Est. $55,468.

Calif., Riverside — REMODELING — Treas. Dpt. at office Supervising Archt., Wash., D. C., July 31, remodeling and enlarging U. S. Post Office, here, from R. H. Spurgeon, $19,236. Noted July 5.

Contracts Awarded

Conn., New Haven—DREDGING—U. S. Engineer Office, Providence, R. I., dredging New Haven Harbor, to J. S. Packard Dredging Co., 1004 Turks Head Bldg., Providence, R. I., $45,220. Noted June 28.

N. Y., Albany—DREDGING, etc.—U. S. Engineer Office, Army Bldg., New York, dredging, rock removal in Hudson River, to G. H. Breymann & Bros., 17 Battery Pl., New York, $299,412. Noted July 12.

D. C., Wash.—RETURN LINES—Spec. 5606—Bureau Yards & Docks, Navy Dpt., Wash., D. C., renewing high pressure return lines at Naval Hospital, to Federal Heating Co., Bonded Bldg., $2,891 (60 days). Noted July 19.

Va., Hampton Roads—STOREHOUSE—Spec. 5623—Bureau Yards & Docks, Navy Dpt., Wash., D. C., at Naval Operating Base, to J. A. Jones Constr. Co., Charlotte, N. C., $192,000 (300 days). Noted July 12.

N. C., Cape Hatteras—REPAIRING—Spec. 5650—Bureau Yards & Docks, Navy Dpt., Wash., D. C., barracks and masts at Naval Radio Station, to C. P. Gray, Buxton, $3,850 (90 days).

Ga., Savannah — TRAINING WALL — U. S. Engineer Office, in Savannah River, to Atkinson Dredging Co., West Palm Beach, Fla., $33,250. Noted July 26.

La., New Orleans—BARGES—U. S. Engineer Office, Poland and Dauphane Sts., 2 steel barges, to Howard Shipyards & Dock Co., Jeffersonville, Ind., $21,000. Noted Aug. 2.

Ill., Chicago — SUPERSTRUCTURE — U. S. Engineer Office, 537 South Dearborn St. rebuild concrete superstructure on exterior breakwater, Chicago Harbor. Work will be done by government plant. Former bids rejected. Noted June 14.

Ill., Chicago—STORE HOUSE—Treas. Dpt. at office Supervising Archt., Wash., D. C., storehouse at U. S. Marine Hospital, to H. A. Hanson Constr. Co., 608 South Dearborn St., $9,594 (90 days). Noted Aug. 2.

Michigan—ROCK REMOVAL—U. S. Engineer Office, Detroit, removing 155,400 cu.yd. earth and rock from Course 6, Middle Neebish Channel, St. Mary's River, to United Dredging Co., 233 Bway., New York, N. Y., $2,377,377. Noted Aug. 2.

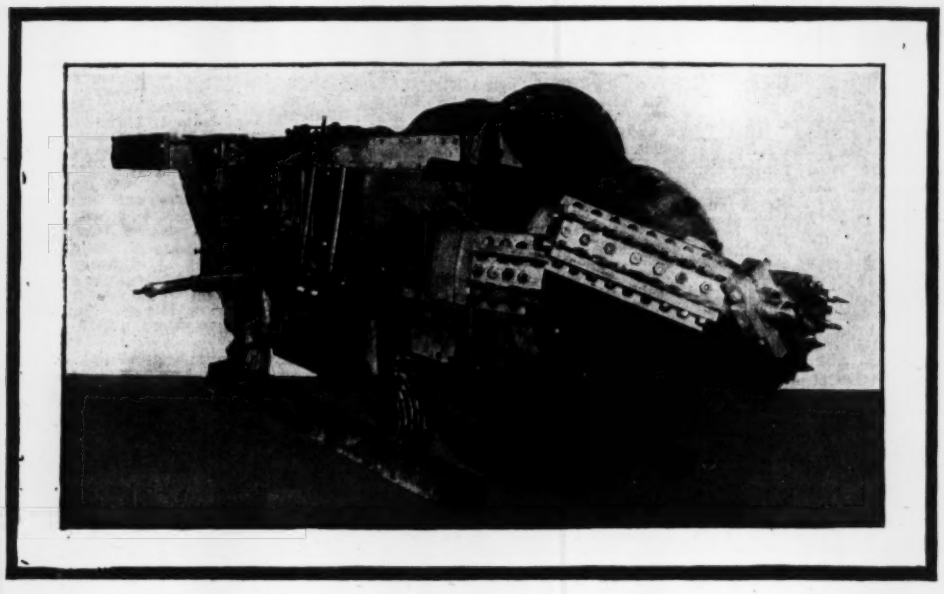
South Dakota—ROAD—Bureau P. Rds., Custom House, Denver, Colo., grading 1.53 mi. Sect. K Deadwood-Hot Springs Rd., to Western Bridge & Constr. Co., 3867 Leavenworth St., Omaha, Neb., $32,725.

Wyoming — ROADS — Bureau P. Rds., Denver, Colo., grading 2.92 mi. Granite Creek Sect. Hoback Canyon Hy., Teton Co., to Western Bridge & Constr. Co., 3867 Leavenworth St., Omaha, Neb., $81,652. Noted July 26.

Montana and North Dakota—EARTHWORK, etc.—Bureau Reclamation, Savage,

Constr. News page 83

32 TO 2



IT isn't a game! 32 is the number of men necessary to dig through 5 feet of shale in an hour. Provided you could pack them into a 7-foot opening.

Yet the "Mole" will drive a 7-foot tunnel that far in an hour—with only *2* men to guide it.

It's a marvelous mechanism! As the "Mole" forges ahead the surplus dirt and rock falls into buckets, is conveyed to the rear and loaded into cars—all automatically.

The "Mole" drills a round, smooth tunnel. No blasting, mucking nor timbering is required. Masonry can be laid as fast as materials are supplied.

Here's the machine sewer and tunnel contractors, mine operators and municipalities have long needed.

The saving in time, labor and money is enormous. Investigate the cost reducing possibilities of the "Mole." Find out about our "fifty-fifty" working plan on money saved.

The "Mole"

The Winterbottom-Connelly Company

1406 W. 25th Street **Cleveland, Ohio**

Federal Government Work (Continued)

Mont., earthwork and structures for open drains on Lower Yellowstone Project, to Newell & Co., Portland, Ore. $53,484. Noted June 7.

Missouri—DIKE and REVETMENT—U. S. Engineer Office, constructing dike at Brunswick and DeWitt Bends, in Missouri River, to Woods Bros. Constr. Co., 132 West 13th St., Lincoln, Neb., $47,328 and $138,823 respectively; revetment at Brunswick Bend, to Kansas City Bridge Co., 510 Orear Leslie Bldg., Kansas City, $180,042; pile clump dikes at Chamois Bend to Bilhorn, Bower & Peters, Inc., Railway Exch. Bldg., St. Louis, $165,126. Grand total $471,319. Noted July 26.

Mo., Kansas City — CLUMP DIKES — U. S. Engineer Office, 3,400 lin. ft. standard clump dikes in Missouri River, St. Charles Reach, to Kansas City Bridge Co., 510 Orear Leslie Bldg., $104,485. Noted Aug. 2.

Okla., Ft. Sill—OFFICERS QUARTERS—Constructing Quartermaster Field Artillery School War Dpt., officers quarters, to Holmboe Constr. Co., Oklahoma City, $70,500. Noted July 12.

Colorado—ROADS—U. S. Bureau P. Rds., Denver, grading 5 mi. Sect. A, Willow Creek Pass Natl. Forest Projects, Grand Co., to Pioneer Cnostr. & Eng. Corp., Denham Bldg., Denver, $59,781; 6.34 mi. Sect. D, Chicago Creek 3, Mt. Evans Hy. Project, Clear Creek Co., to E. H. Hounen, Colorado Springs, $86,585; surfacing 6.9 mi. Bear Lake Natl. Park Hy., Sect. 13-1, Larimer Co., to W. A. Colt & Sons, Las Animas, $37,250. Grand total $183,616. Noted June 21 and July 5.

Colo., Denver — CEMENT — Bureau Reclamation, 10,000 bbls. portland cement for Echo Dam, Salt Lake Basin Project, Utah, to Union Portland Cement Co., Denver, at $2.85. Noted Jan. 26.

Idaho, Burley — EARTHWORK, etc. — Bureau Reclamation, Dpt. Interior, earthwork, canal lining, structures, main canal, Station 0-180, Sect. 1, to Derbon Constr. Co., $285,935, Sect. 2, to Winston Bros. Co., 801 Globe Bldg., Minneapolis, Minn., $72,368. Noted May 10.

Washington — ROAD — Bureau P. Rds., Wash., D. C., paving North and South Hy., Enida Sect., Walla Walla Co., to Crick & Kuney, Walla Walla, $85,487.

Wash., Walla Walla—TANK and TOWER—U. S. Veterans' Bureau, Arlington Bldg., Wash., D. C., at U. S. Veterans' Bureau, to Chicago Bridge & Iron Co., 1015 Chestnut St., Phila., Pa., $11,200. Noted July 26.

Oregon—ROAD—Bureau P. Roads, W. H. Lynch, dist. engr., Post Office Bldg., Portland, grading 8.3 mi. Canyon City—Brown Hy., Grant Co., to J. A. Terteling, Moscow, Idaho, $33,692.

Calif., San Diego—PIER—Spec. 5655—Bureau Yards & Docks, Navy Dpt., Wash., D. C., concrete pier extension (additional work), to R. E. McKee, 1128 Central Bldg., Los Angeles, $38,000. Noted Mar. 22.

Unclassified

Proposed Work

FERRYBOATS—**New York, N. Y.**—L. M. Farrington, secy. Dpt. Mental Hygiene, Albany, received no bids Aug. 1, 2 double end steel diesel electric ferryboats for Manhattan State Hospital, Wards Island. Noted July 19.

SHIPYARD—**Keyport, N. J.**—Humphreys Shipyard Corp., 347 Madison Ave., New York, F. P. Humphreys, pres., shipyard addition, Myrtle Ave. $50,000. Private plans.

POWER PLANT IMPROVEMENTS—**Clarksdale, Miss.**—City, c/o J. R. Agnew, supt., preliminary plans two 550 hp. single retort underfeed Westinghouse stokers, new 142 ft. well.

OVERHEAD CROSSING — **Tennessee** — State Dept. Hys. & P. Wks., Nashville, and Louisville & Nashville R.R. Co., Louisville, Ky., W. H. Courtenay, ch. engr., bridge over railroad, on Englewood Branch, McMinn Co. To exceed $25,000. H. F. Berry, comr.

AIRPLANE HANGAR—**Cleveland, O.**—National Air Transport, Inc., c/o L. D. Seymour, 5932 South Cicero St., Chicago, Ill., 1 story, 100 x 120 ft., brick, steel, airport grounds. $100,000. Private plans.

SWIMMING POOL—**Northville, Mich.**—See "Buildings—Educational, Religious."

OIL REFINERY and OIL PIPE LINE—**Texas—Moody Corp.**, (parent organization Moody-Seagraves Co., Galveston), 5,000 bbl. capacity refinery plant at Big Springs or on Gulf coast in Galveston-Houston Dist., $150,000; 40 mi. 10 in. pipe line from oil fields in Howard Co. to point near Big Springs, $125,000. Private plans.

PIPE LINE—**Texas**—Atlantic Pipe Line Co., Magnolia Bldg., Dallas, surveys 500 mi. pipe line from Midland to Port Arthur. Koch & Fowler, 801 Central Bank Bldg., Dallas, engrs.

NATURAL GAS PIPE LINE—**Texas and Mexico**—Moody-Seagraves Co., Galveston, natural gas pipe line between Laredo, Tex. and Monterey, Mexico. $10,000,000. Private plans.

AIRPORT—**Amarillo, Tex.**—City, c/o J. D. Bartlett, city mgr., airport, incl. machine shops with equipment, fire fighting equipment, 80 x 100 ft. fireproof hangar, 100,000 candle power beacon. $45,000. H. B. Jones, engr.

PIPE LINE—**Oklahoma and Illinois**—Sinclair Oil Co., Cinclair Bldg., Tulsa, oil pipe line from Cushing, Okla., to Chicago, Ill. $15,000,000. Private plans.

GAS SYSTEM—**Hugo, Okla.**—Lone Star Gas Co., 1915 Wood St., preliminary plans natural gas distribution system, $60,000. R. L. Jones, mayor.

LIGHTING SYSTEM—**Lawton, Okla.**—Preliminary plans "White Way" lighting system. $30,000. O. C. Noble, Lawton, engr.

GAS SYSTEM—**Webb City, Okla.**—Preliminary plans natural gas distribution system. $25,000. H. Davison, mayor. Private plans.

SWIMMING POOL—**Los Angeles, Calif.**—City, 75 x 325 ft., swimming pool divided in three sections, in Exposition Park. $125,000. Noted Jan. 12, 1927.

WHARF—**San Pedro, Calif.**—City of Los Angeles Harbor Comn., plans 80 x 192 ft. rein.-con., construction, 40 x 192 ft. rein.-con., piling and concrete decking main portion, 40 x 192 ft. creosoted wood piling with wood decking, apron portion, Berth 174, G. F. Nicholsen, Berth, 90, San Pedro engr.

DOCKS and TERMINAL WAREHOUSE—**Hamilton, Ont.**—Canada Steam Ship Lines, docks, terminal warehouse, foot Wentworth St. $2,000,000.

Bids Desired

FIRE ALARM SYSTEM—**Long Island City, N. Y.**—Aug. 16, by J. J. Dorman, comr. Fire Dpt., Municipal Bldg., New York, portion underground fire alarm system, Queens Boro.

FIRE ALARM SYSTEM — **New York, N. Y.** — Aug. 14, by J. J. Dorman, fire comrs., Fire Dpt., Municipal Bldg., portion underground fire alarm system, Bronx Boro.

GRANITE WORK—**New York, N. Y.**—Aug. 14, by Park Bd., W. R. Herrick, pres. Park Dpt., Arsenal Bldg., Central Park, removing and installing new granite, 2 copper finials, etc.; also steel storage cases at Amer. Museum of Natural History, Manhattan Sq.

STATION FINISH—**New York, N. Y.**—Aug. 21, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St. station finish work for 145th Street Station, Rapid Transit R.R.

SUBWAY—**New York, N. Y.**—Aug. 21, by Bd. Transportation, J. H. Delaney, chn., 40 Lafayette St., constructing Sect. 2, Route 106, rapid transit R.R. along and under McComb's Park Dam, East 161st and Grand Blvd. and Concourse.

FERRY SLIPS—**New York, N. Y.**—Aug. 29, by L. M. Farrington, secy. Dpt. Mental Hygiene, Albany, ferry slips for Manhattan State Hospital; adv. E. N.-R. Aug. 9.

TUNNEL—**Kent, O.**—See "Building Industrial."

CABLE — **Illinois** — See "Contracts Awarded."

GAS MAINS—**Mimico, Ont.**—See "Contracts Awarded."

STREET LIGHTING—**Riverside, Ont.**—See "Streets and Roads."

PIERS—**Quebec**—Aug. 17, by Dpt. Marine & Fisheries, Ottawa, L. E. Cote, engr., 2 rein.-con. piers at Brule Bank. $200,000.

Contracts Awarded

ASPHALT PLANT—**New York, N. Y.**—H. Bruckner, pres. Bronx Boro, Municipal Bldg., Crotona Park, Tremont and 3rd Aves., additions to asphalt plant, to Charleroi Iron Wks., $49,942. Noted July 12.

FERRY BOAT—**New York, N. Y.**—A. Goldman, comr. Plant & Structures, Municipal Bldg., ferry boat, to Todd Dry Dock Co., 25 Bway. $353,241. Noted June 21.

CONCRETE LAMP POSTS—**New Jersey**—State Hy. Comn., Broad St. Bank Bldg., Trenton, furnishing lighting fixtures on Route 1, extension to Holland Tunnel through Newark and Jersey City, to Erickson Eng. Co., 452 Lexington Ave., New York, $19,439. Noted July 19.

LIGHTING SYSTEM—**Magnolia, Miss.**—See "Streets and Roads."

LIGHTING SYSTEM—**Bexley** (Columbus P. O.), **O.**—S. W. Roderick, village clk., lighting standards, underground cables in Cassingham, Remington, Ardmore and Stanwood Rds., to General Electric Co., 17 South High St., Columbus, $36,952. Noted July 12.

CABLE—**Illinois**—Illinois Bell Telephone Co., 216 North Main St., Chicago, 520 mi. cable from Wyanet to Moline, day labor. $700,000.

OIL PIPE LINE—**Texas**—Texas Co., 720 San Jacinto St., Houston, laying 146 mi. 8 in. steel pipe line from Corsicana to San Augustine, to N. A. Saigh Co., c/o Builders Exch. Bldg., San Antonio, $300,000.

ELECTRIC DISTRIBUTION SYSTEM—**El Paso, Tex.**—City, reconstructing electric distribution system, to Ware Co., El Paso, $25,000.

GAS MAINS—**Mimico, Ont.**—Consumers Gas Co., 19 Toronto St., Toronto, 4 in. and up c.i. mains throughout town, day labor. Est. $50,000.

Materials

Proposed Work

FROGS, SWITCHES, etc.—**Phila., Pa.**—Aug. 15, by C. E. Walsh, purch. agt. Pennsylvania R.R. Co., 15 North 32nd St., frogs, switches, switch points, Contr. 63—1928; guard rails, Contr. 64—1928; piston heads, Contr. 65—1928.

Bids Desired

BELL and SPIGOT CAST IRON PIPE—**Atlantic City, N. J.**—Aug. 16, by Bd. City Comrs., City Hall, 9,600 lin.ft. bell and spigot c.i. pipe. L. Van Gilder, engr.; adv. E. N.-R. Aug. 9.

Bids Received

BINDER STONE—**Brooklyn, N. Y.**—J. J. Byrne, pres. Brooklyn Boro, Boro Hall, Aug. 1, 6,000 cu. yd. binder stone, from New York Trap Rock Co., 250 Park Ave., New York, $11,640; 10,000 cu. yd. asphalt sand, from Z. Mahoney, 557 46th St., $10,000; 10,000 cu. yd. asphalt sand, and 6,000 cu. yd. steam cinders, from M. F. Hickey Co., foot 6th St., $10,000 and $8,220 respectively; 6,500 bbl. portland cement from Quality Builders Contg. Co., 200 3d Ave., $15,990; and 4,500 cu. yd. broken stone, from Colgan Contg. Co., 90 William St., New York, $6,830. Noted July 26.

STEAM ASHES—**Long Island City, N. Y.**—B. M. Patten, pres. Queens Boro, Queens Subway Bldg., July 30, 8,000 tons steam ashes in scows at Dock Asphalt Plant 1, Flushing, from Degoran Bros. Contg. Co., Inc., 17 Battery Pl., New York, at $1.75 per ton, total $14,600. Noted July 26.

GRAVEL—**Missouri**—State Hy. Comn., Jefferson City, 3,980 cu. yd. gravel on Route 25, Cape Girardeau Co., from Russel Martin, Eolia at $1,751.

LUMBER—**Missouri**—State Hy. Comn., Jefferson City, 298,000 ft. white oak lumber for ditch retards at various points, from Nebraska Bridge Supply & Lumber Co., 448 Peters Trust Bldg., Omaha, Neb. $13,704—582,000 ft. creosoted lumber for ditch retards at various points, from Wheeler Lumber Bridge & Supply Co., 606 Hubbell Bldg., Des Moines, Ia. $31,815—651 tons calcium chloride at various points, from Dow Chemical Co., 2d and Madison Sts., Solway Sales Corp., 1017 Olivet St., both St. Louis and Columbia Chemical Co., Pittsburgh Pl., Barberton, O. at same bid $20,721. Noted June 28.

Foreign

Brazil—State of Bahia, M. Marros, dir. da Directoria de Estrades de Rodagem Departmento da Agricultura, Industria, Commercio, Viacao e Obras Publicas, Bahia, voted $18,750,000 for public works.

Hawaii, Honolulu — G. S. Underwood, archt., Hibernian Bldg., Los Angeles, California., taking bids 2 and 4 story, brick, concrete hotel, for W. Gustin, Honolulu. $400,000. Noted June 28.

Mexico—Hy. Dpt., State of Saltillo, plans grading, roads from Saltillo and Torreon, and road between Vera Cruz and Mexico City. 4,000,000 pesos.

Constr. News page 84

See proposal advertising on page 133

UNIT PRICES

Sheet Piling and Drainage Improvement—Syracuse, N. Y.

Board of Contract & Supply, City Hall, opened bids Apr. 30, improving East Genesee St. Attracted much attention because of unusual conditions of work. Slide on street continues to move and is expected to move during first phases of work directed toward improvement of drainage. Bids were asked for steel sheet piling of sections equivalent to Carnegie Index Section M104 for straight piling or M106 for arch web piling, both new and used. Only one bidder submitted different prices for straight and arch web piling. Bidders are: (A) Monds Construction Co.; (B) C. T. Hookway, Weiting Bldg.; (C) J. Corbett; (D) Engineer's Estimate; (E) H. M. Ballard; (F) Provo Bros. Nelson F. Pitts, Jr., city engineer

	A	B	C	D	E	F
3,400 sq.ft. new straight steel piling	$1.25	$1.25	$1.50	$1.50	$1.65	$2.00
3,400 sq.ft. used straight steel piling	1.20	1.25	1.10	1.50	1.40	1.90
3,400 sq.ft. new arch web steel piling	1.25	1.25	1.50	1.50	1.65	2.25
3,400 sq.ft. used arch web steel piling	1.20	1.25	1.15	1.50	1.40	2.10
15 M. ft. wooden sheet piling	95.00	200.00	190.00	150.00	270.00	150.00
575 lin.ft. drain trenches	1.00	1.25	1.10	1.00	2.71	2.00
505 cu.yd. crushed stone in trenches	3.00	3.00	2.60	2.50	2.92	4.50
356 lin.ft. 10 in. vitr. pipe	2.00	1.00	.80	1.20	1.85	3.50
2 cu.yd. conc. around pipe	12.00	10.00	12.00	20.00	15.00	20.00
Connection with receiver (lump sum)	15.00	20.00	5.00	10.00	12.00	25.00
2 manholes 4x4 ft.	100.00	75.00	95.00	100.00	175.00	150.00
50 cu.yd. retaining wall, Type A	16.50	18.00	19.00	25.00	14.50	30.00
140 cu.yd. retaining wall, Type B	18.00	14.00	18.50	25.00	14.50	22.00
8,600 lb. reinf. steel	.05	.06	.05	.04	.05	.10
70 cu.yd. crushed stone	3.00	3.00	2.80	2.50	2.67	4.00
2,600 cu.yd. excav. of mud	1.00	1.50	1.00	.80	2.00	2.00
2,150 cu.yd. gravel refill	2.50	2.50	2.10	2.25	2.20	3.00
400 cu.yd. 1 ft. layer of gravel	2.75	2.50	2.50	2.25	3.20	4.00
750 lin.ft. intercepting ditch	.15	.50	.20	.30	.18	2.00
250 cu.yd. retaining wall, Type C	16.50	15.00	19.00	27.70	14.50	25.00
1,800 sq.yd. trimming slope	.20	.25	.15	.50	.40	.20
450 cu.yd. 3 in. layer of top soil	2.00	3.50	5.00	2.00	3.10	2.50
10,000 sq.ft. sodding	.10	.20	.25	.10	.12	.50
120 sq.ft. cobblestone gutter	.20	.30	.50	.25	.28	4.00
0.7 cu.yd. two conc. collars	15.00	12.00	15.00	25.00	27.00	25.00
0.45 cu.yd. headwall	15.00	15.00	15.00	25.00	20.00	100.00
1 junction manhole	200.00	100.00	125.00	100.00	250.00	150.00
1 drop manhole	175.00	100.00	100.00	100.00	150.00	150.00
56 sq.ft. cobblestone basin	.25	.25	.50	.25	.20	1.00
Totals straight piling	$28,714	$32,296	$32,930	$33,384	$35,873	$48,187

Engineering News-Record, Issue of August 9, 1928.

Sewer—Halfway, Mich.

Bids were opened by Village Commission, April 18, sewer system in District No. 7, from (A) J. M. Nardi, 14101 Birwood Ave., Detroit; (B) E. Lorenz, Roseville; (C) T. D. Nolan, 14101 Plymouth Ave., Detroit, (awarded contract); (D) Callahan & Gross, 2631 Woodward Ave., Detroit; (E) Coolsaet Bros., Fordson; (F) A. J. O'Sullivan, Port Huron. H. R. O'Mara, village engineer.

	A	B	C	D	E	F
Reinforced Concrete Pipe—Average cut, 13 ft.						
880 ft. 54-in.	$8.25	$8.93	$9.90	$10.00	$10.10	$16.80
290 ft. 48-in.	7.55	7.93	8.25	8.40	8.40	14.80
762 ft. 42-in.	6.56	6.93	6.60	7.00	7.05	12.00
2,955 ft. 36-in.	5.30	5.08	5.30	5.50	5.50	8.75
3,253 ft. 33-in.	4.78	4.88	4.50	5.00	5.05	7.60
4,625 ft. 30-in. Average cut, 15 ft.	4.10	4.13	4.00	4.00	4.05	6.75
6,572 ft. 27-in.	3.28	3.73	3.45	3.60	3.60	5.50
Vitrified Crock Sewer						
6,678 ft. 24-in.	2.99	3.30	3.20	3.20	3.20	4.50
7,013 ft. 21-in.	2.55	2.80	2.70	2.58	2.60	3.86
7,524 ft. 18-in. Average cut, 12 ft.	2.00	2.00	2.03	1.97	2.05	2.70
3,988 ft. 15-in.	1.57	1.40	1.42	1.42	1.40	2.20
12,769 ft. 12-in.	1.00	.86	1.12	1.00	1.00	1.60
154 standard manholes	74.50	88.00	86.00	90.00	90.00	100.00
3 drop manholes	105.00	110.00	150.00	125.00	125.00	250.00
100 temporary crock catchbasins	27.00	18.00	26.00	20.00	21.00	35.00
1,000 ft. 6-in. risers	.90	.30	1.10	.65	.70	1.25
200 yd. gravel	2.50	2.50	2.50	2.25	2.40	3.00
	$173,944	$179,708	$181,044	$181,299	$182,662	$274,304

Engineering News-Record, Issue of August 9, 1928.

Constr. News page 86